

Anti-SGTB/SGT2 antibody [EPR17183] ab202419

重组 RabMAb

2 References 10 图像

概述

产品名称	Anti-SGTB/SGT2抗体[EPR17183]
描述	兔单克隆抗体[EPR17183] to SGTB/SGT2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HepG2, PC-12 and NIH/3T3 cell lysates; Human fetal brain, mouse brain and rat brain lysates. IHC-P: Human, mouse and rat cerebral cortex tissues. ICC/IF: SH-SY5Y and U-87 MG cells. IP: Mouse brain whole cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17183

同种型IgG

应用

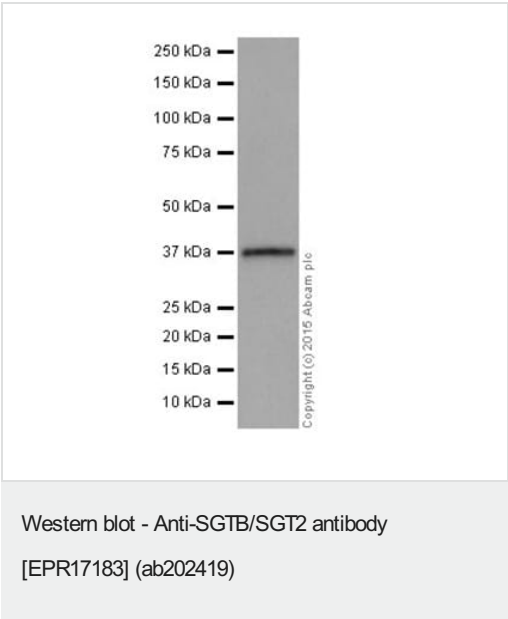
The Abpromise guarantee      **Abpromise™**承诺保证使用ab202419于以下的经测试应用  
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000. Detects a band of approximately 37 kDa (predicted molecular weight: 33 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.
IP		1/40.

靶标

功能Co-chaperone that binds directly to HSC70 and HSP70 and regulates their ATPase activity.  
序列相似性Belongs to the SGT family.  
Contains 4 TPR repeats.

图片



Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at 1/2000 dilution + HepG2 (Human liver hepatocellular carcinoma) cell lysate at 20 µg

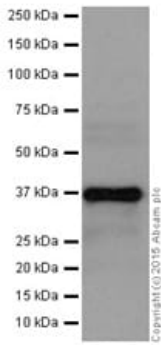
**Secondary**  
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 33 kDa  
**Observed band size:** 37 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.  
The expression profile observed is consistent with what has been

described in the literature PMID: 12878599.



Western blot - Anti-SGTB/SGT2 antibody  
[EPR17183] (ab202419)

Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at 1/2000  
dilution + Human fetal brain lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000  
dilution

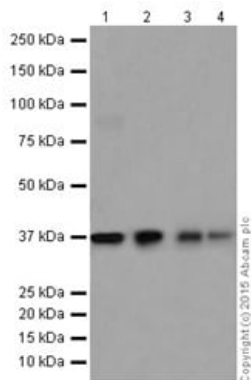
**Predicted band size:** 33 kDa

**Observed band size:** 37 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The expression profile observed is consistent with what has been  
described in the literature PMID: 12878599.



Western blot - Anti-SGTB/SGT2 antibody  
[EPR17183] (ab202419)

**All lanes :** Anti-SGTB/SGT2 antibody [EPR17183] (ab202419) at  
1/2000 dilution

**Lane 1 :** Mouse brain lysate

**Lane 2 :** Rat brain lysate

**Lane 3 :** PC-12 (Rat adrenal gland pheochromocytoma) cell lysate

**Lane 4 :** NIH/3T3 (Mouse embryo fibroblast cells) cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

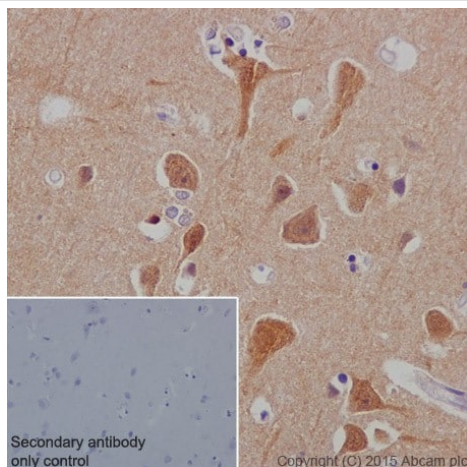
**Predicted band size:** 33 kDa

**Observed band size:** 37 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The expression profile observed is consistent with what has been  
described in the literature PMID: 12878599.

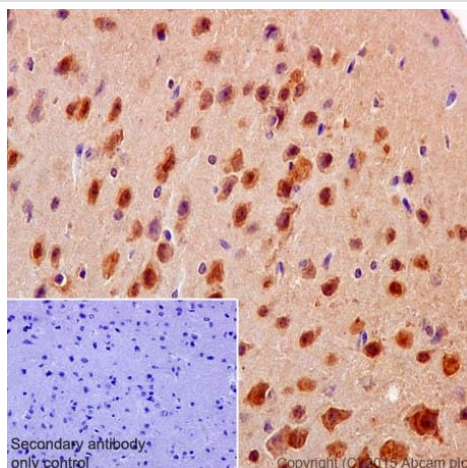


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on Human cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

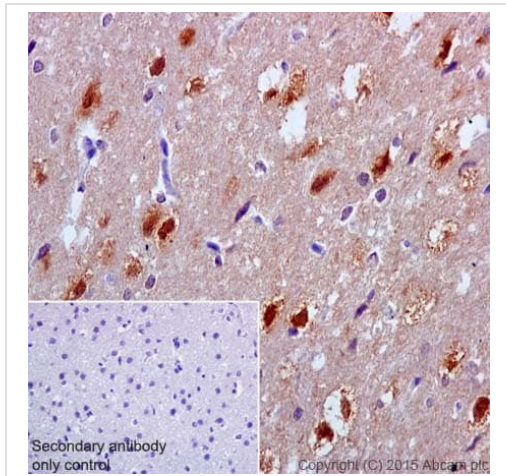


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on mouse cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

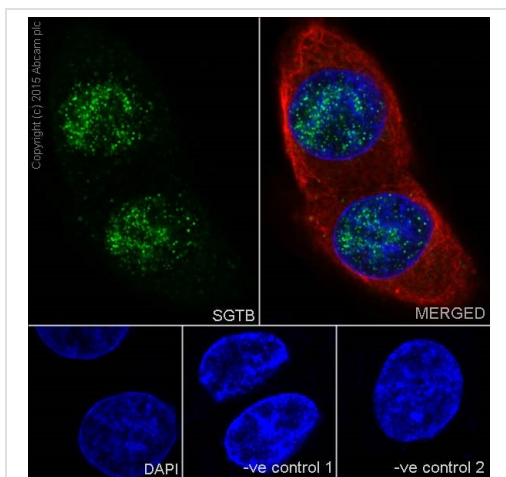


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on rat cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



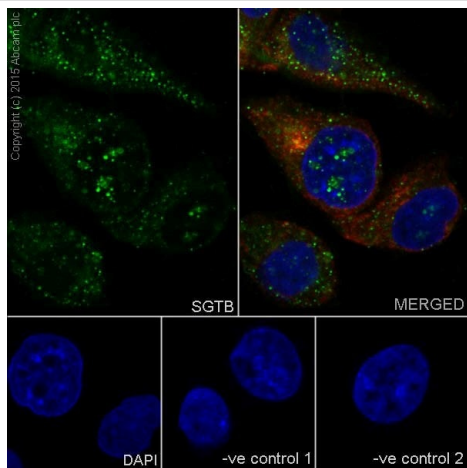
Immunocytochemistry/ Immunofluorescence - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SH-SY5Y (Human neuroblastoma from bone marrow cells) cells labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/500 dilution (green). Confocal image showing nuclear and weakly cytoplasmic staining on SH-SY5Y cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution and [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab202419 at 1/100 dilution followed by [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution followed by [ab150077](#) (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



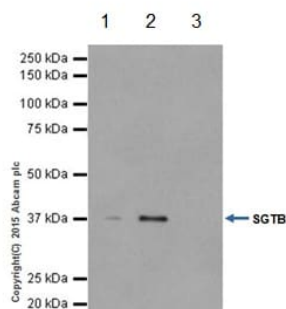
Immunocytochemistry/ Immunofluorescence - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cells labeling SGTB/SGT2 with ab202419 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Confocal image showing nuclear and cytoplasmic staining on U-87 MG cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab202419 at 1/100 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Immunoprecipitation - Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

SGTB/SGT2 was immunoprecipitated from 1mg of Mouse brain whole cell lysate with ab202419 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab202419 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: Mouse brain whole cell lysate 10 µg (Input). Lane 2: ab202419 IP in Mouse brain whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab202419 in Mouse brain whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-SGTB/SGT2 antibody [EPR17183] (ab202419)

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