

Anti-Sumo 2 + Sumo 3 antibody [8A2] ab81371

重组

★★★★★ [7 Abreviews](#) [63 References](#) [9 图像](#)

概述

产品名称	Anti-Sumo 2 + Sumo 3抗体[8A2]
描述	小鼠单克隆抗体[8A2] to Sumo 2 + Sumo 3
宿主	Mouse
特异性	This antibody recognizes Sumo 2 and 3 but does not recognize Sumo 1.
经测试应用	适用于: WB, ICC/IF, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant full length protein corresponding to Human Sumo 2 + Sumo 3. Database link: P61956 , P55854
阳性对照	WB: HeLa, SH-SY5Y, K562, SW480, Jurkat, HEK-293T, PC-12 and NIH/3T3 whole cell lysate. Human brain, spleen and kidney tissue lysate. Rat spleen tissue lysate. Mouse brain tissue lysate. IHC-P: Mouse and rat kidney tissue. Human breast tissue. ICC: HeLa, SW480 and NIH/3T3 cells.
常规说明	This product has switched from ascites to recombinant production method on 25 th August 2020. This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here .

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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	8A2

同种型IgG2b

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab81371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。

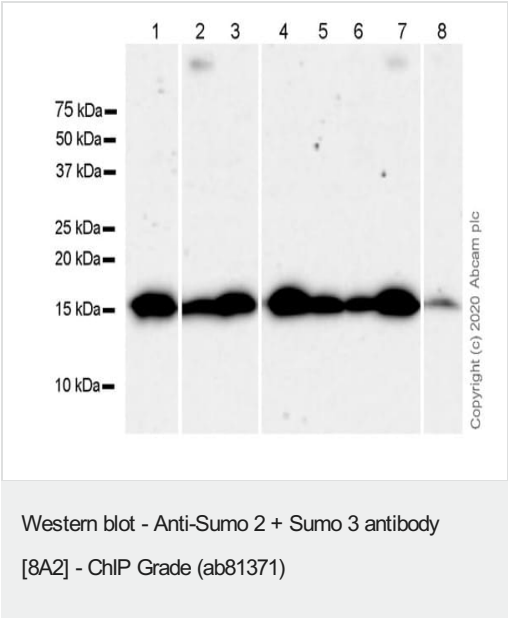
应用	Ab评论	说明
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 12 kDa.
ICC/IF	★★★★★ (2)	1/2000.
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

相关性 SUMO proteins, such as Sumo 2 and Sumo 3, post-translationally modify numerous cellular proteins and affect their metabolism and function. However, unlike ubiquitination, which targets proteins for degradation, sumoylation participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. Sumo 2 and Sumo 3 are highly homologous, hence it is very difficult to produce antibodies which distinguish them.

细胞定位 Cytoplasmic (SUMO3) and Nuclear (SUMO2)

图片



All lanes : Anti-Sumo 2 + Sumo 3 antibody [8A2] (ab81371) at 1/1000 dilution

- Lane 1 :** HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate B276
- Lane 2 :** SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate
- Lane 3 :** K562 (human chronic myelogenous leukemia lymphoblast), whole cell lysate
- Lane 4 :** SW480 (human colorectal adenocarcinoma epithelial cell), whole cell lysate
- Lane 5 :** Jurkat (human T cell leukemia T lymphocyte), whole cell lysate
- Lane 6 :** 293T (human embryonic kidney epithelial cell), whole cell lysate
- Lane 7 :** PC-12 (rat adrenal gland pheochromocytoma), whole cell lysate
- Lane 8 :** NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lysates/proteins at 10 µg per lane.

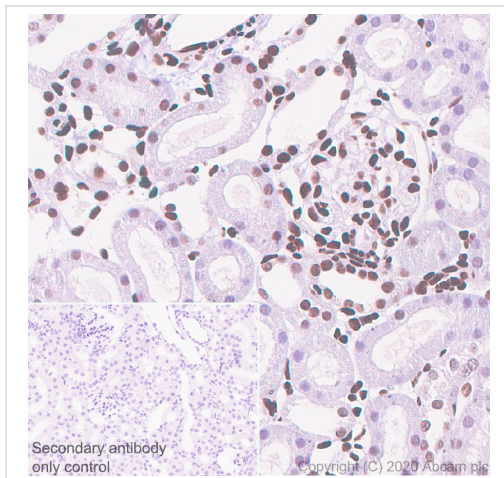
Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L)

Predicted band size: 12 kDa

Observed band size: 15 kDa

Buffer and concentration: 5% NFDM/TBST

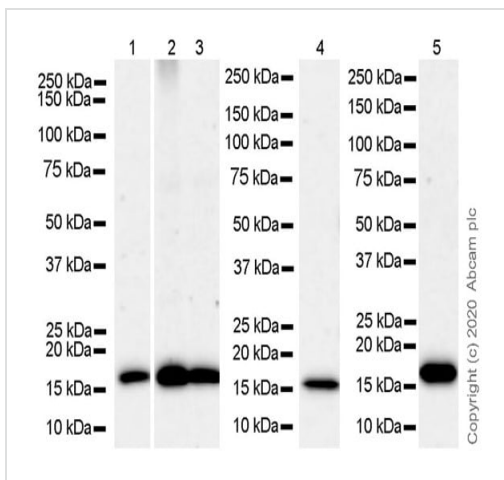


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunohistochemical analysis of paraffin-embedded rat kidney tissue labeling Sumo 2 + Sumo 3 with ab81371 at 1/1000 dilution followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)). The section was incubated with ab81371 for overnight at 4°C.

Secondary antibody only control: Ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution1).



Western blot - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

All lanes : Anti-Sumo 2 + Sumo 3 antibody [8A2] (ab81371) at 1/1000 dilution

Lane 1 : Human brain tissue lysate

Lane 2 : Human kidney tissue lysate

Lane 3 : Human spleen tissue lysate

Lane 4 : Mouse brain tissue lysate

Lane 5 : Rat spleen tissue lysate

Lysates/proteins at 10 µg per lane.

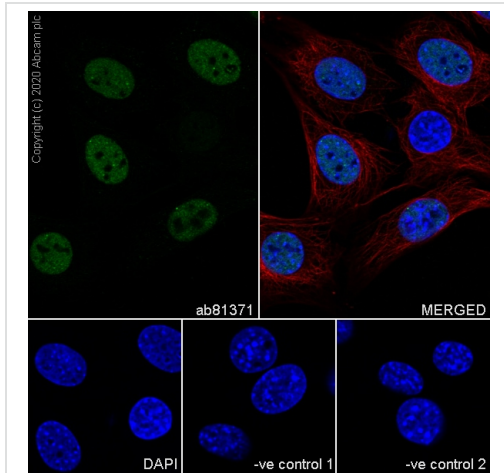
Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution

Predicted band size: 12 kDa

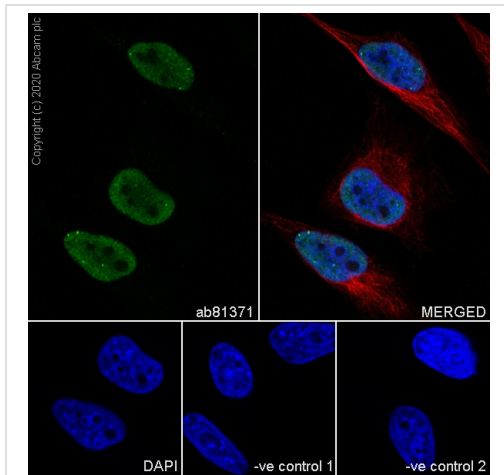
Observed band size: 15 kDa

Dilution and concentration: 5% NFDm/TBST



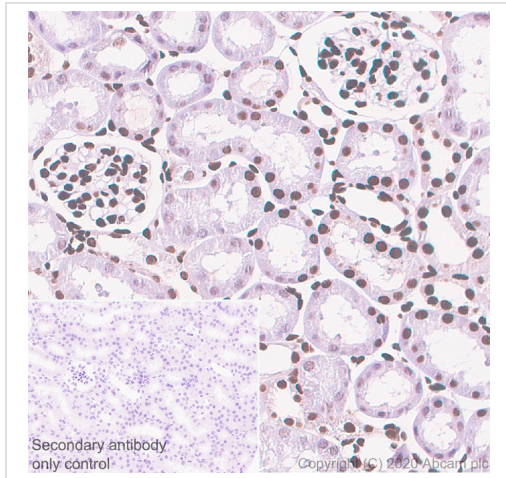
Immunocytochemistry/ Immunofluorescence - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunocytochemistry/immunofluorescence analysis of NIH/3T3 cells labelling Sumo 2 + Sumo 3 with ab81371 at 1/50 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Primary antibody, ab81371 at 1:50 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti- Mouse secondary antibody ([ab150113](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab81371 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit. secondary ([ab150080](#)) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



Immunocytochemistry/ Immunofluorescence - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunocytochemistry/immunofluorescence analysis of HeLa cells labelling Sumo 2 + Sumo 3 with ab81371 at 1/50 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Primary antibody, ab81371 at 1:50 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti- Mouse secondary antibody ([ab150113](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab81371 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit. secondary ([ab150080](#)) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.

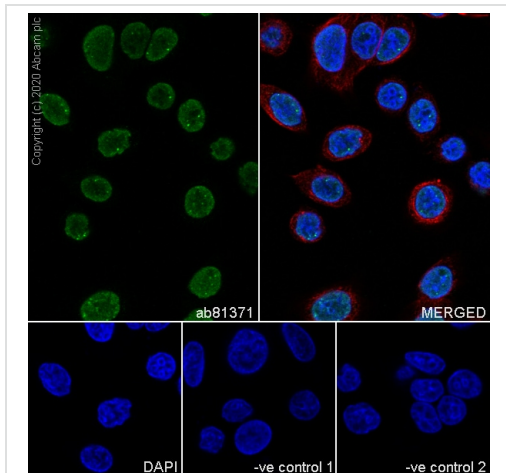


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue labeling Sumo 2 + Sumo 3 with ab81371 at 1/1000 dilution followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)). The section was incubated with ab81371 for overnight at 4°C.

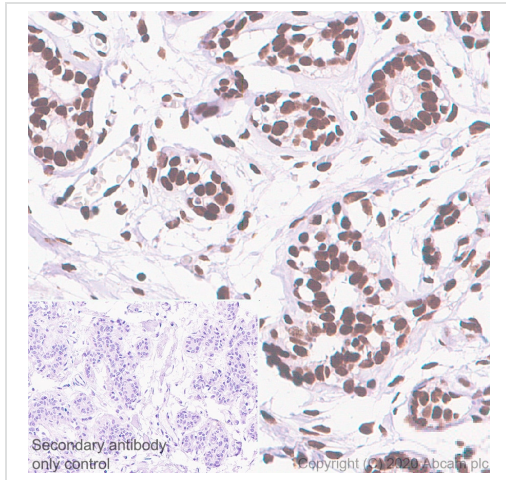
Secondary antibody only control: Ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution1).



Immunocytochemistry/ Immunofluorescence - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunocytochemistry/immunofluorescence analysis of SW480 cell line labelling Sumo 2 + Sumo 3 with ab81371 at 1/50 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Primary antibody, ab81371 at 1:50 was incubated overnight at 4°C, followed by AlexaFluor® 488-conjugated Goat anti-Mouse secondary antibody ([ab150113](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab81371 overnight at 4°C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary ([ab150080](#)) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sumo 2 + Sumo 3 antibody [8A2] - ChIP Grade (ab81371)

Immunohistochemical analysis of paraffin-embedded human breast tissue labeling Sumo 2 + Sumo 3 with ab81371 at 1/1000 dilution followed by a ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**). The section was incubated with ab81371 for overnight at 4°C.

Secondary antibody only control: Ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution1).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Sumo 2 + Sumo 3 antibody [8A2] (ab81371)

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