

### Anti-Caspase-5 antibody [EP876Y] ab40887

**重组** RabMAb

**6 References**   **5 图像**

#### 概述

产品名称	Anti-Caspase-5抗体[EP876Y]
描述	兔单克隆抗体[EP876Y] to Caspase-5
宿主	Rabbit
特异性	Based on amino acids homology, this antibody will not recognize either p20 or p10 subunits of Caspase-5.
经测试应用	<b>适用于:</b> IHC-P, IP, WB <b>不适用于:</b> Flow Cyt or ICC/IF
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide within Human Caspase-5 aa 1-100 (N terminal). The exact sequence is proprietary.
阳性对照	IHC-P: Human breast carcinoma. WB: HT-1080 and HeLa cell lysates. IP: HeLa cell lysate
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EP876Y

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab40887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。

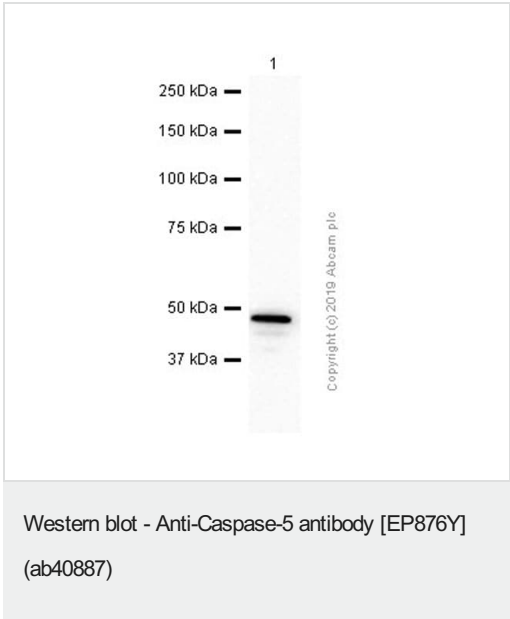
应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/50.
WB		1/1000 - 1/10000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能	Mediator of programmed cell death (apoptosis).
组织特异性	Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.
序列相似性	Belongs to the peptidase C14A family. Contains 1 CARD domain.
翻译后修饰	The two subunits are derived from the precursor sequence by an autocatalytic mechanism.

图片

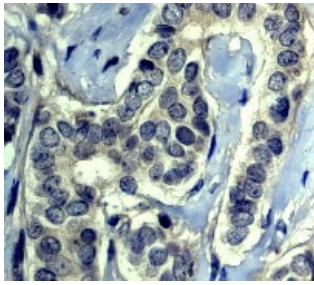


Anti-Caspase-5 antibody [EP876Y] (ab40887) at 1/1000 dilution + HT-1080 (Human fibrosarcoma epithelial cell) prepared in 1%SDS Hot lysis method whole cell lysates at 15 µg

**Secondary**  
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

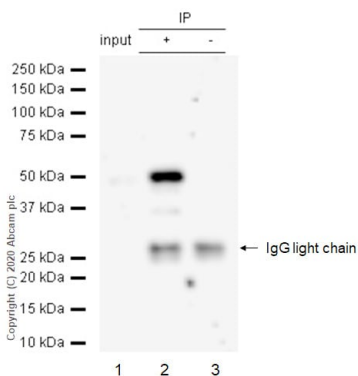
**Predicted band size:** 47 kDa  
**Observed band size:** 47 kDa

Blocking/Diluting Buffer and concentration:  
5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-5 antibody [EP876Y] (ab40887)

Staining of Caspase 5 on paraffin-embedded human breast carcinoma sections, using **ab40557** at a 1/50 dilution. Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Caspase-5 antibody [EP876Y] (ab40887)

Purified ab40887 at 1/50 dilution (2µg) immunoprecipitating Caspase-5 in HeLa treated with heat shock (42° 1h) then recovery for 6h whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) treated with heat shock (42° 1h) then recovery for 6h whole cell lysate 10µg

Lane 2 (+): ab40887 + HeLa treated with heat shock (42° 1h) then recovery for 6h whole cell lysate.

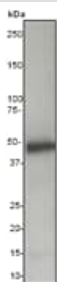
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab40887 in HeLa treated with heat shock (42° 1h) then recovery for 6h whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 47 kDa



Western blot - Anti-Caspase-5 antibody [EP876Y] (ab40887)

Anti-Caspase-5 antibody [EP876Y] (ab40887) at 1/10000 dilution + HeLa cell lysate at 10 µg

**Predicted band size:** 47 kDa

**Observed band size:** 47 kDa

The cell lysates were prepared in 1%SDS Hot lysis method.

### 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-Caspase-5 antibody [EP876Y] (ab40887)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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