


Product datasheet

Anti-Caspase-1 (phospho S376) antibody ab61794

2 图像

概述

产品名称	Anti-Caspase-1 (phospho S376)抗体
描述	兔多克隆抗体to Caspase-1 (phospho S376)
特异性	ab61794 detects endogenous levels of Caspase-1 only when phosphorylated at serine 376.
经测试应用	适用于: ELISA, IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic peptide corresponding to Human Caspase-1. Database link: P29466
阳性对照	Human brain tissue and 293 cell extracts.
常规说明	The amino acid range of this immunogen is aa350-400 of human Caspase-1 with Acc# P29466 (http://www.uniprot.org/uniprot/P29466). This antibody binds to the Caspase-1 subunit p10 region. It binds to isoforms alpha, beta, gamma, delta, and epsilon.

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: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Protein A purified
纯化说明	ab61794 was affinity-purified from rabbit antiserum by affinity-chromatography using pitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab61794** in the following tested applications.

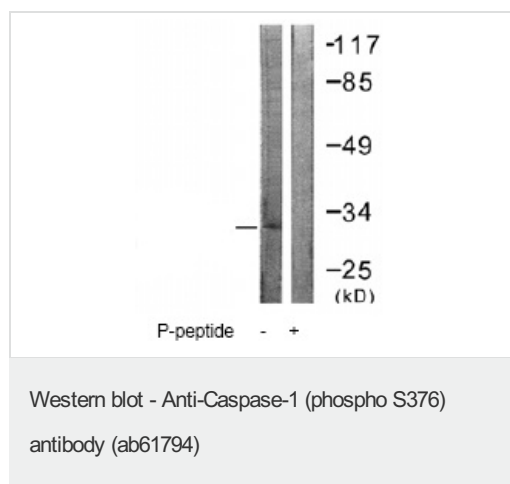
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/20000.
IHC-P		1/50 - 1/100.
WB		1/500 - 1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 45 kDa).

靶标

功能	Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Can also promote apoptosis.
组织特异性	Expressed in larger amounts in spleen and lung. Detected in liver, heart, small intestine, colon, thymus, prostate, skeletal muscle, peripheral blood leukocytes, kidney and testis. No expression in the brain.
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.
细胞定位	Cytoplasm.

图片



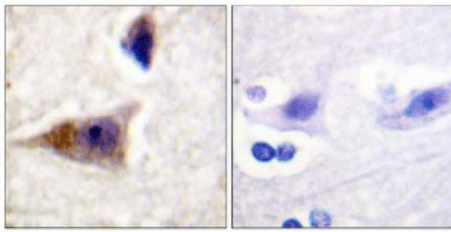
All lanes : Anti-Caspase-1 (phospho S376) antibody (ab61794) at 1/500 dilution

Lane 1 : 293 cell extracts

Lane 2 : 293 cell extracts with immunising peptide

Predicted band size : 45 kDa

Observed band size : 30 kDa



P-peptide

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-1 (phospho S376) antibody (ab61794)

ab61794 at 1:50 - 1:100 dilution staining
Caspase-1 in human brain by
Immunohistochemistry, Paraffin-embedded
tissue, in the absence or presence of the
immunising peptide.

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