

Datasheet for ABIN1531644
anti-Caspase 1 antibody (pSer376)



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2 Images

Overview

Quantity:	100 µL
Target:	Caspase 1 (CASP1)
Binding Specificity:	AA 342-391, pSer376
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Caspase 1 around the phosphorylation site of Ser376.
Isotype:	IgG
Specificity:	Caspase 1 (Phospho-Ser376) Antibody detects endogenous levels of Caspase 1 only when phosphorylated at Ser376. PhosphorylationH:S376 M:S374 R:S374
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

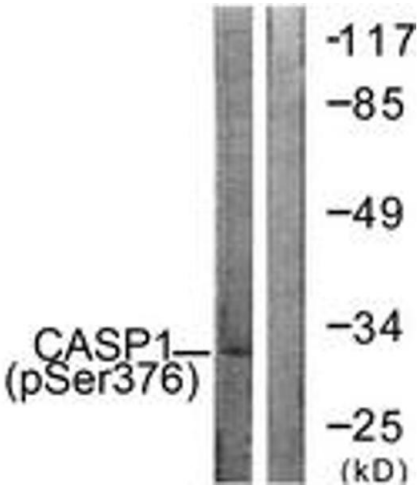
Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase 1 (CASP1 Products)
Background:	Synonyms: CASP-1, caspase-1, ICE, IL-1 beta converting enzyme, IL-1BC, IL1BCE, interleukin-1 beta convertase, interleukin-1 beta converting enzyme, p45 NCBI Gene Symbol: CASP1
Molecular Weight:	29 kDa
Gene ID:	834
OMIM:	147678
UniProt:	P29466
Pathways:	Apoptosis , Interferon-gamma Pathway , Positive Regulation of Endopeptidase Activity , Inflammasome

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:20000
Comment:	Unigene-Number: Hs.2490 (NCBI Gene Symbol: CASP1)
Restrictions:	For Research Use only

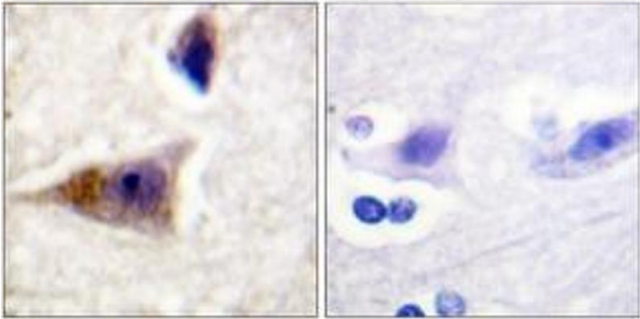
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from 293 cells, using Caspase 1 (Phospho-Ser376) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using Caspase 1 (Phospho-Ser376) Antibody. The picture on the right is treated with the synthesized peptide.