

Datasheet for ABIN3030287

anti-Caspase 1 antibody (N-Term, Subunit p20)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Caspase 1 (CASP1)
Binding Specificity:	N-Term, Subunit p20
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the N-terminus of mouse CASP1 (LEKAQKLWKENPSEIYPIMNT) was used as the immunogen for this Caspase-1 antibody. This sequence is from the p20 subunit.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase-1 (CASP1 Products)
Background:	Caspase-1 is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta, IL-18, and IL-33 precursor proteins. It belongs to a

Target Details

family of cysteine proteases known as caspases that always cleave proteins following an aspartic acid residue. The Caspase-1 gene consists of 10 exons spanning at least 10.6 kb and is mapped to 11q23, a site frequently involved in rearrangement in human cancers, including a number of leukemias and lymphomas, by Southern DNA blot analysis of rodent-human hybrids and by in situ hybridization to normal human metaphase chromosomes. Caspase 1 has been shown to induce cell necrosis or pyroptosis and may function in various developmental stages.

UniProt:	P29452
Pathways:	Apoptosis , Interferon-gamma Pathway , Positive Regulation of Endopeptidase Activity , Inflammasome

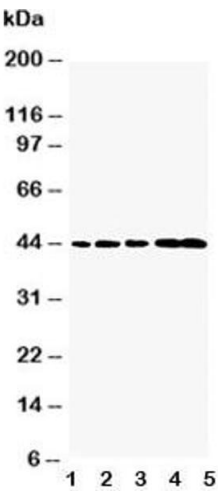
Application Details

Application Notes:	The stated application concentrations are suggested starting points. Titration of the Caspase-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

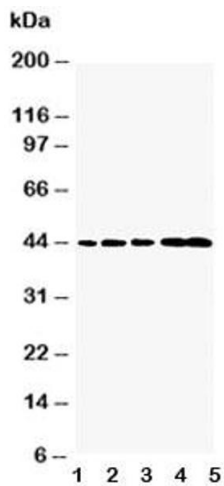
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Caspase-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of Caspase-1 antibody and
Lane 1: rat brain; 2: rat spleen; 3: mouse brain; 4: mouse spleen; 5: mouse testis



Western Blotting

Image 2. Western blot testing of Caspase-1 antibody and
Lane 1: rat brain