

Datasheet for ABIN4901137

anti-Caspase 1 antibody (Internal Region)



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Overview

Quantity:	100 µL
Target:	Caspase 1 (CASP1)
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Caspase-1 is a protein encoded by the CASP1 gene which is approximately 45,1 kDa. Caspase-1 is localised to the cytoplasm. It is involved in amyotrophic lateral sclerosis, toll-like receptor signalling pathways, p53 signalling and the TNFR1 pathway. This protein falls under the the cysteine-aspartic acid protease family. upon activation It plays a central role in the execution-phase of cell apoptosis. These enzymes can be divided into initiators and effectors. The initiator isoforms are activated by, and interact with, upstream adaptor molecules. Caspase-1 is expressed mainly in the spleen and lung. Mutations in the CASP1 gene may result in shigellosis and cowpox. STJ98574 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of Caspase-1.
Immunogen:	Synthesized peptide derived from Caspase-1
Isotype:	IgG

Product Details

Specificity:	Caspase-1 Polyclonal Antibody detects endogenous levels of Caspase-1
Characteristics:	Rabbit Polyclonal to Caspase-1.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase-1 (CASP1 Products)
Gene ID:	834
UniProt:	P29466
Pathways:	Apoptosis , Interferon-gamma Pathway , Positive Regulation of Endopeptidase Activity , Inflammasome

Application Details

Application Notes:	WB 1:500-2000 ELISA 1:10000-20000
Comment:	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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.