

Rabbit anti-Human, Rat Caspase-1 Monoclonal Antibody | anti-CASP1 antibody

Anti-Caspase-1 Rabbit Monoclonal Antibody

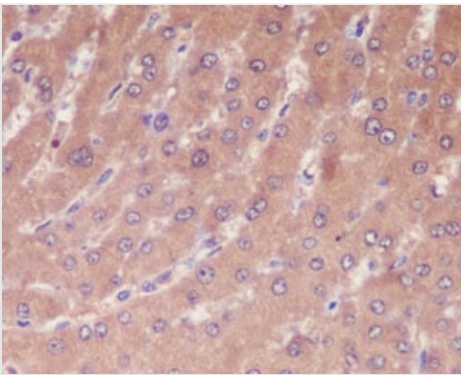
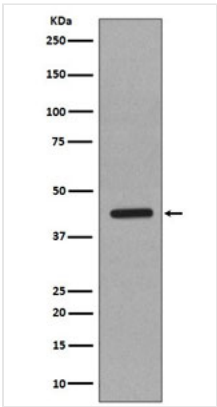
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46854	Rabbit	Human, Rat	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Caspase-1; Monoclonal Antibody; Anti-Caspase-1 Rabbit Monoclonal Antibody; CASP-1; 3.4.22.36; Interleukin-1 beta convertase; IL-1BC; Interleukin-1 beta-converting enzyme; ICE; IL-1 beta-converting enzyme; p45; Caspase-1 subunit p20; Caspase-1 subunit p10; CASP1; IL1BC; IL1BCE; anti-CASP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	DCB-3
Purity/Purification	Affinity-chromatography
Form/Format	Liquid; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	0.5-1mg/ml, actual concentration varies by lot. Use suggested dilution ratio to decide dilution procedure. (varies by lot)
Applicable Applications for anti-CASP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Caspase-1
Subcellular Localization	Cytoplasm.
Tissue Specificity	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.
Conjugate	No
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human liver, using Caspase-1 Antibody (AAA46854) CASP1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CASP1 Antibody (AAA46854) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)
Western blot analysis of Caspase-1 in HeLa cell lysate (AAA46854). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CASP1 monoclonal antibody (AAA46854) overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CASP1.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	Anti-Caspase-1 Rabbit Monoclonal Antibody tested for IHC, WB in Human, Rat
Product Categories/Family for anti-CASP1 antibody	Cell Biology; Apoptosis; Intracellular; Caspases Etc; Caspases

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502573
NCBI GeneID	834
NCBI Accession #	NP_001214.1
NCBI GenBank Nucleotide #	NM_001223.4
UniProt Accession #	P29466; Q53EY6; Q6DMQ1; Q6GSS3; Q6PI75; Q9UCN3; B5MDZ1
NCBI Official Full Name	caspase-1 isoform beta
NCBI Official Synonym Full Names	caspase 1
NCBI Official Symbol	CASP1
NCBI Official Synonym Symbols	ICE; P45; IL1BC
NCBI Protein Information	caspase-1
UniProt Protein Name	Caspase-1
UniProt Gene Name	CASP1
UniProt Synonym Gene Names	IL1BC; IL1BCE; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

