Datasheet for ABIN7249876

anti-Caspase 1 antibody

4 Images

Go to Product page

Overview

Quantity:	200 µL
Target:	Caspase 1 (CASP1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein corresponding to Mouse Caspase1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	CASP1 (CASP1 Products)
Background:	This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the

Target Details

	active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms.
Molecular Weight:	Observed_MW: 45-47 kDa,30 kDa,35 kDa Calculated_MW: 45 kDa
UniProt:	P29466, P29452, P43527
Pathways:	Apoptosis, Interferon-gamma Pathway, Positive Regulation of Endopeptidase Activity, Inflammasome

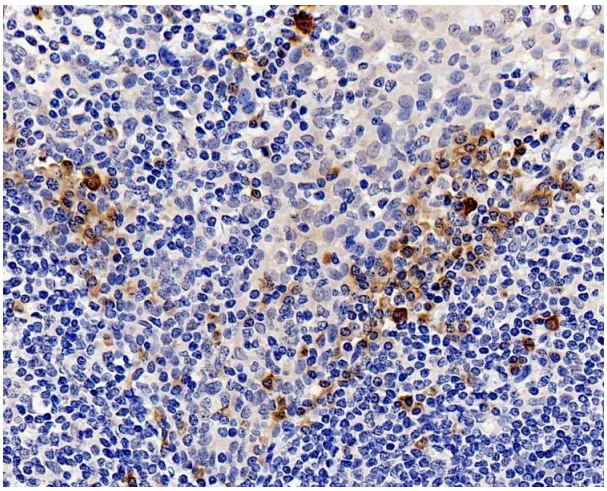
Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:300-1:800
Restrictions:	For Research Use only

Handling

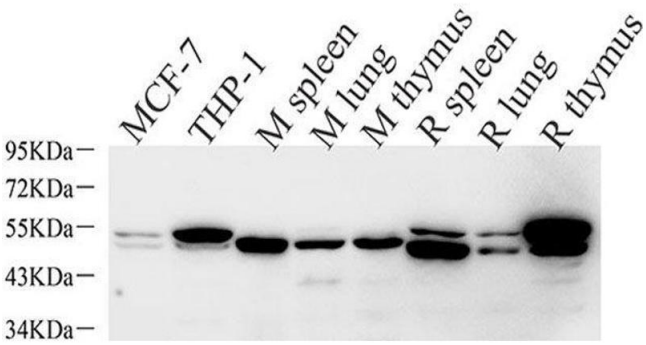
Format:	Liquid
Concentration:	1.2 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Copyright antibodies-online. All rights reserved.



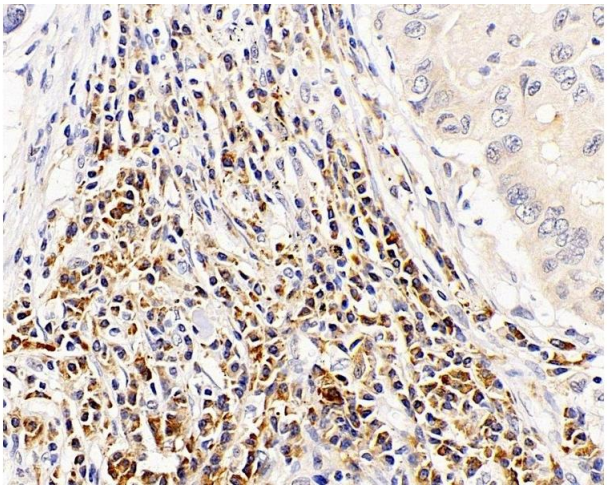
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis of paraffin-embedded human tonsil using CASP1 Polyclonal Antibody at dilution of 1:300.



Western Blotting

Image 2. Western Blot analysis of various samples using CASP1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis of paraffin-embedded human lung cancer using CASP1 Polyclonal Antibody at dilution of 1:300.

Please check the product details page for more images. Overall 4 images are available for ABIN7249876.