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anti-Caspase 1 antibody (C-Term)



Images



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Quantity:	100 μL
Target:	Caspase 1 (CASP1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	

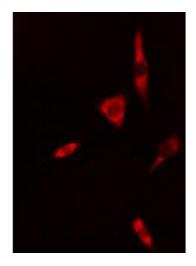
Immunogen:	A synthesized peptide derived from human Caspase 1, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Caspase 1 Antibody detects endogenous levels of total Caspase 1.
Predicted Reactivity:	Pig,Bovine,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

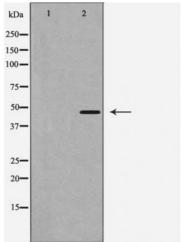
Target Details

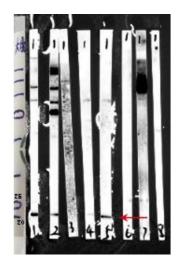
Target: Coopee 1 (CASD1)			
	Target:	Caspase 1 (CASP1)	

Target Details

rarget Details	
Alternative Name:	CASP1 (CASP1 Products)
Background:	Description: Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Can also promote apoptosis. Upon inflammasome activation, during DNA virus infection but not RNA virus challenge, controls antiviral immunity through the cleavage of CGAS, rendering it inactive (PubMed:28314590). Gene: CASP1
Molecular Weight:	45 kDa 20kDa
Gene ID:	834
UniProt:	P29466
Pathways:	Apoptosis, Interferon-gamma Pathway, Positive Regulation of Endopeptidase Activity, Inflammasome
Application Details	
Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , 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:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months







Immunofluorescence (fixed cells)

Image 1. ABIN6268964 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.

Western Blotting

Image 2. Western blot analysis of Caspase 1 expression in 293 cells. The lane on the left is treated with the antigenspecific peptide.

Western Blotting

Image 3. Western blot analysis of ABIN6268964 expression in various lysates 1 Rat brain 2 mouse brain 3 mouse lung 4 HeLa 5 HEPG2 6 293 7 Mouse spleen 8 Rat heart