

## CASP1 antibody

### Product Information

Catalog No.:	FNab01284
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

CASP1(caspase-1) is also named as IL1BC, IL1BCE and belongs to the peptidase C14A family. It is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta(IL1B), IL18, and IL33 precursor proteins. The active caspase-1 can increase cellular membrane permeability and intracellular calcium levels, which facilitates lysosome exocytosis and release of host antimicrobial factors and microbial products(PMID:21804020). It has 5 isoforms produced by alternative splicing.

### Immunogen information

Immunogen:	caspase 1, apoptosis-related cysteine peptidase(interleukin 1, beta, convertase)
Synonyms:	Caspase-1 (CASP-1) 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
Observed MW:	45-47 kDa, 30 kDa, 35 kDa
Uniprot ID :	P29466

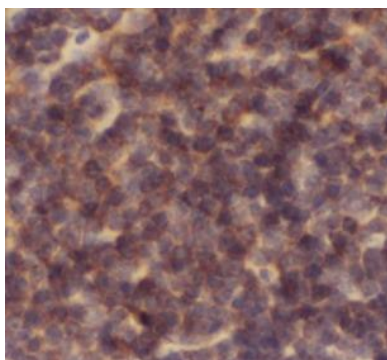
### Application

Reactivity:	Human, Mouse, Rat
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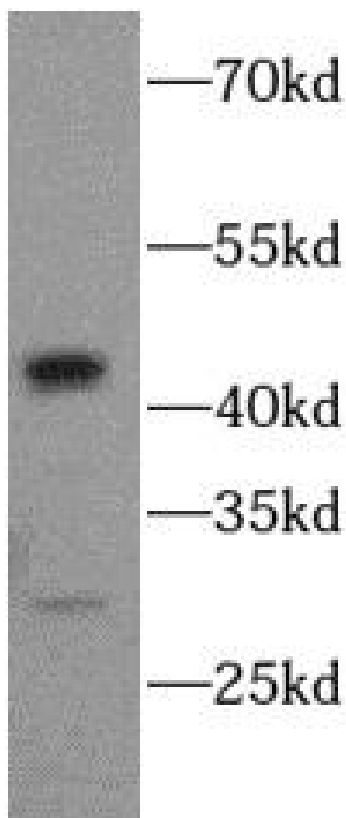
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human spleen tissue slide using FNab01284(Caspase 1 Antibody) at dilution of 1:100



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab01284(CASP1 antibody) at dilution of 1:1000