



# Anti-CASP2 (aa 1-201) polyclonal antibody (DPABH-14188)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Caspase 2 has a positive and a negative role in the regulation of the apoptotic process. Overexpression of the full length Caspase 2 (Nedd2/lch1 ) mRNA in some cell types results in apoptosis, whereas overexpression of an alternative Caspase 2 splice variant suppresses apoptosis induced by serum withdrawal. Caspase 2 may be activated in vitro by Caspase 1, Caspase 3 and the neutral serine protease granzyme B which is stored in the specialized lytic granules of cytotoxic lymphocytes.
<b>Specificity</b>	The antibody detects endogenous level of total Caspase 2 protein.
<b>Immunogen</b>	Recombinant fragment corresponding to Human Caspase 2 aa 1-201. BC002427Sequence: MAAPSAGSWSTFQHKELMAADRGRRLGVCGMHPHHQETLKKNRVVLAKQ LLLSELLEHL LEKDIITLEMRELIQAKVGSFSQNVELLNLLPKRGPQA FDAFCEALRETKQGHLEDMLLT TLSGLQHVLPPLSCDYDLSLPFPVCE SCPLYKKLRLSTDTVEHSLDNK
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB
<b>Format</b>	Liquid

<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Constituents: 49% PBS, 50% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Store at 4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASP2 caspase 3, apoptosis-related cysteine peptidase [ Homo sapiens ]</a>
<b>Official Symbol</b>	CASP2
<b>Synonyms</b>	CASP2; caspase 2, apoptosis-related cysteine peptidase; ICH1; NEDD2; CASP-2; NEDD-2; PPP1R57; caspase-2; protease ICH-1; protein phosphatase 1, regulatory subunit 57; neural precursor cell expressed developmentally down-regulated protein 2;
<b>Entrez Gene ID</b>	<a href="#">835</a>
<b>Protein Refseq</b>	<a href="#">NP_001215.1</a>
<b>UniProt ID</b>	<a href="#">D3DXD9</a>
<b>Pathway</b>	Apoptosis; Apoptosis Modulation by HSP70; Cell death signalling via NRAGE, NRIF and NADE; Immune System
<b>Function</b>	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; enzyme binding; protein binding