



# Rabbit Anti-Human CASP2 Polyclonal Antibody (CABT-L2088)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Caspase 2 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against CASP2. It has been selected for its ability to recognize CASP2 in immunohistochemical staining and western blotting.
<b>Target</b>	CASP2
<b>Immunogen</b>	Recombinant Human CASP2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Caspases mediate cellular apoptosis through the proteolytic cleavage of specific protein substrates. The encoded protein may function in stress-induced cell death pathways, cell cycle maintenance, and the suppression of tumorigenesis. Increased expression of this gene may play a role in neurodegenerative disorders including Alzheimers disease, Huntingtons disease and temporal lobe epilepsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
<b>Keywords</b>	ICH1L;NEDD2;ICH-1L/1S;CysteinyI Aspartate Specific Proteinases 2;Apoptosis-Related Cysteine Peptidase;Neural Precursor Cell Expressed Developmentally Down-Regulated 2

## GENE INFORMATION

<b>Gene Name</b>	CASP2 caspase 2, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]
<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>	NP_001215
<b>UniProt ID</b>	<a href="#">D3DXD9</a>
<b>Chromosome Location</b>	7q34-q35
<b>Pathway</b>	Apoptosis; Apoptosis Modulation and Signaling; Apoptosis Modulation by HSP70; Caspase cascade in apoptosis; Cell death signalling via NRAGE, NRIF and NADE; HIV-1 Nef: Negative effector of Fas and TNF-alpha; Immune System; Innate Immune System;
<b>Function</b>	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; enzyme binding; protein binding; protein domain specific binding;