



# Rabbit Anti-Human CASP2 (p18,Cleaved-Gly170) polyclonal antibody (CABT-L3341)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-Human 53BP1 (Phospho-Ser6) polyclonal antibody. This antibody detects endogenous levels of fragment of activated Caspase 2 resulting from cleavage adjacent to Gly170.
<b>Specificity</b>	Target Modification: Cleaved. Modification Sites: Gly170
<b>Target</b>	Human Caspase 2 (p18,Cleaved-Gly170)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Caspase 2. Immunogen range: 151-200
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Molecular Weight</b>	18 kDa
<b>Preparation</b>	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	100 µl
<b>Buffer</b>	Rabbit IgG in PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl and 50% glycerol.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Stable at -20°C for at least 1 year.
<b>Ship</b>	Wet ice

## 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.
<b>Keywords</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;

## GENE INFORMATION

<b>Gene Name</b>	CASP2 caspase 2, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]
<b>Official Symbol</b>	CASP2
<b>Synonyms</b>	CASP-2, Caspase-2 precursor, ICH- 1L/1S, ICH-1 protease, ICH1
<b>Entrez Gene ID</b>	<a href="#">835</a>
<b>UniProt ID</b>	<a href="#">P42575</a>