



Rabbit Anti-Human CASP2 (Phospho-Ser157) polyclonal antibody (CABT-L3342)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human CRYAB (Phospho-Ser45) polyclonal antibody. This antibody detects endogenous levels of Caspase 2 only when phosphorylated at Ser157.
Specificity	Target Modification: Phospho. Modification Sites: Human: S157
Target	Human Caspase 2 (Phospho-Ser157)
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 2 around the phosphorylation site of Ser157. Immunogen range: 123-172
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IHC, ELISA
Molecular Weight	50 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	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

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