

Datasheet for ABIN2787907

anti-Caspase 7 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	Caspase 7 (CASP7)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Dog, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio), Cow, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CASP7
Sequence:	NNKNFDKVTG MGVRNGTDKD AEALFKCFRS LGFDVIVYND CSCAKMQDLL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Purification:	Affinity Purified

Target Details

Target:	Caspase 7 (CASP7)
Alternative Name:	CASP7 (CASP7 Products)
Background:	This gene encodes a protein which is a member of the cysteine-aspartic acid protease

Target Details

(caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of this caspase is cleaved by caspase 3 and 10. It is activated upon cell death stimuli and induces apoptosis. Alternative splicing results in four transcript variants, encoding three distinct isoforms.

Alias Symbols: CMH-1, ICE-LAP3, MCH3

Protein Interaction Partner: PTGES3, BAX, PARP1, SAT1, CRYAB, XIAP, RPS6KA1, CTSA, PEPD, MVD, GNS, GBP2, EEF2, CAPN1, CNDP2, GINS2, EIF4H, GZMB, ROCK1, DFFA, CASP9, CASP7, CASP3, ARHGDI, VIM, STAT1, SPTAN1, CLSPN, PLA2G4B, RB1, UBC, BIRC2, CCT2, VCP, SP1, BIRC3, BIRC6, COPS6, TERF1,

Protein Size: 336

Molecular Weight:	37 kDa
Gene ID:	840
NCBI Accession:	NM_033338 , NP_203124
UniProt:	P55210
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 336 AA
Restrictions:	For Research Use only

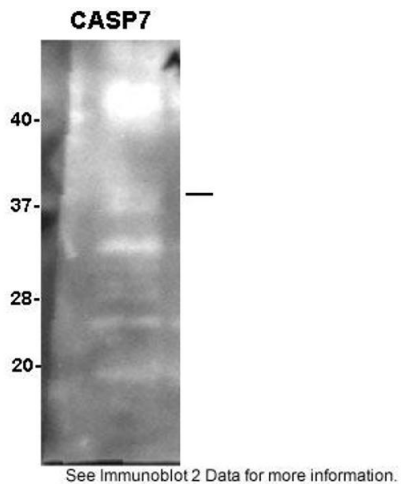
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #103662 for Western Blotting (WB)



Western Blotting

Image 1. Sample: SH-SY5Y cells, 2.0x10⁵ cells

Primary dilution: 1:2500

Secondary Antibody: HRP-conjugated goat anti-rabbit IgG

Secondary dilution: 1:5000

Image Submitted by: Atsuhiko Tanabe

Pharma Sci Kitasato University