

Datasheet for ABIN2774243

anti-Caspase 6 antibody (Middle Region)

3 Images



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Caspase 6 (CASP6)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CASP6
Sequence:	QACRGNQHVDV PVIPLDVVDN QTEKLDTNIT EVDAASVYTL PAGADFLMCY
Predicted Reactivity:	Human: 100%, Mouse: 82%, Pig: 77%
Characteristics:	This is a rabbit polyclonal antibody against CASP6. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Caspase 6 (CASP6)
Alternative Name:	CASP6 (CASP6 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. This protein is processed by caspases 7, 8 and 10, and is thought to function as a downstream enzyme in the caspase activation cascade. Alternative splicing of this gene results in two transcript variants that encode different isoforms.

Alias Symbols: MCH2

Protein Interaction Partner: CASP6, XIAP, CRYAB, UBC, CASP3, RB1, IKBKG, PRKAB2, SP1, COPS6, SATB1, TAB1, MAPK6, PIN1, UBE4A, NUA1, UBE4B, CHD3, PSME3, EIF2S1, CFLAR, PPL, NEDD4, SRP72, CASP8, CASP10, TRAF1, PSEN2, SRF, VIM, PRKCZ, MAPT, LMNB1, LMNA, KRT18, HTT, TOP1, DSP, PCYT1A, T

Protein Size: 293

Molecular Weight: 33 kDa

Gene ID: 839

NCBI Accession: [NM_001226](#), [NP_001217](#)

UniProt: [P55212](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 293 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.

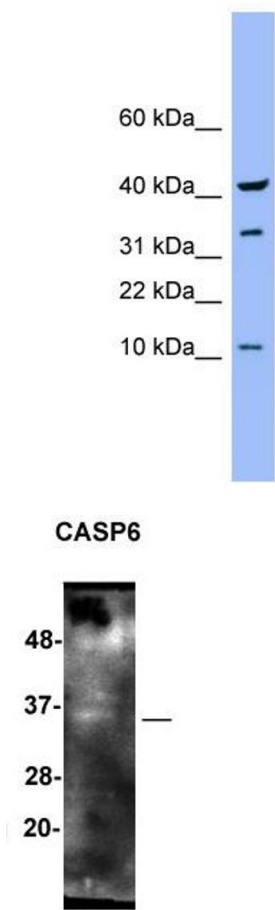
Preservative: Sodium azide

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.

Images



See Immunoblot 2 Data for more information.

Western Blotting

Image 1. WB Suggested Anti-CASP6 Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: PANC1 cell lysate

Western Blotting

Image 2. 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

