

CASP6 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13835a

Specification

CASP6 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P55212
Other Accession	NP_116787.1 , NP_001217.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	17-45

CASP6 Antibody (N-term) - Additional Information

Gene ID 839

Other Names

Caspase-6, CASP-6, Apoptotic protease Mch-2, Caspase-6 subunit p18, Caspase-6 subunit p11, CASP6, MCH2

Target/Specificity

This CASP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-45 amino acids from the N-terminal region of human CASP6.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

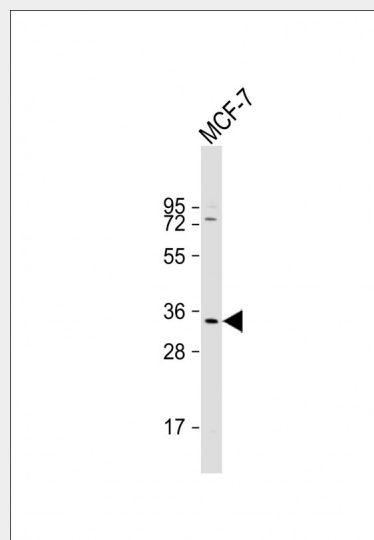
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

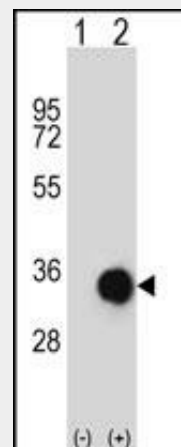
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CASP6 Antibody (N-term) is for research use



Anti-CASP6 Antibody (N-term) at 1:1000 dilution + MCF-7 whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 33 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of CASP6 (arrow) using rabbit polyclonal CASP6 Antibody (N-term) (Cat. #AP13835a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CASP6 gene.

only and not for use in diagnostic or therapeutic procedures.

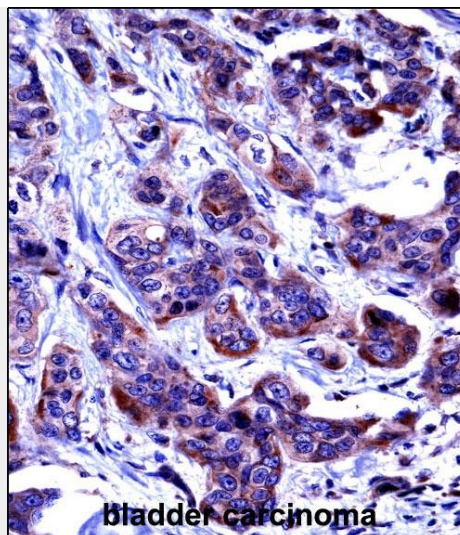
CASP6 Antibody (N-term) - Protein Information

Name CASP6

Synonyms MCH2

Function

Cysteine protease that plays essential roles in programmed cell death, axonal degeneration, development and innate immunity (PubMed:8663580, PubMed:32298652). During apoptosis, localizes in the nucleus and cleaves the nuclear structural protein NUMA1 and lamin A/LMNA thereby inducing nuclear shrinkage and fragmentation (PubMed:17401638, PubMed:8663580, PubMed:9463409). Furthermore, cleaves many transcription factors such as NF-kappa-B and cAMP response element-binding protein/CREBBP (PubMed:10559921, PubMed:14657026). Plays an essential role in axon degeneration during axon pruning which is the remodeling of axons during neurogenesis but not apoptosis (By similarity). Regulates B-cell programs both during early development and after antigen stimulation (By similarity). In addition, promotes the ZBP1-mediated activation of programmed cell death pathways including pyroptosis, apoptosis, and necroptosis (PANoptosis) and plays an essential role in defense against viruses (PubMed:32298652). Mechanistically, interacts with RIPK3 and



CASP6 Antibody (N-term) (AP13835a) immunohistochemistry analysis in formalin fixed and paraffin embedded human bladder carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CASP6 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CASP6 Antibody (N-term) - Background

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (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. [provided by RefSeq].

CASP6 Antibody (N-term) - References

Wurstle, M.L., et al. J. Biol. Chem.

enhances the interaction between RIPK3 and ZBP1, leading to ZBP1-mediated inflammasome activation and cell death (PubMed:32298652).

Cellular Location

Cytoplasm.

285(43):33209-33218(2010)
Lee, S.Y., et al. J Thorac Oncol 5(8):1152-1158(2010)
Halawani, D., et al. J. Neurosci. 30(17):6132-6142(2010)
Kim, M.S., et al. APMIS 118(4):308-312(2010)
Yoo, N.J., et al. Tumori 96(1):138-142(2010)

CASP6 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)