

Rabbit Cleaved-CASP3 (Asp175) Polyclonal Antibody | anti-CASP3 antibody

Cleaved-CASP3 (Asp175) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285112	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)	Immunohistochemistry, ELISA, Dot Blot

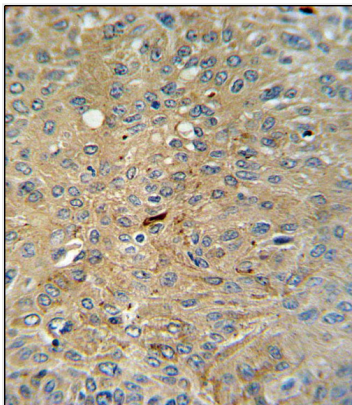
PRODUCT SYNONYMS

Cleaved-CASP3 (Asp175); Polyclonal Antibody; Cleaved-CASP3 (Asp175) Antibody; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1; Caspase-3 subunit p17; Caspase-3 subunit p12; CASP3; CPP32; anti-CASP3 antibody

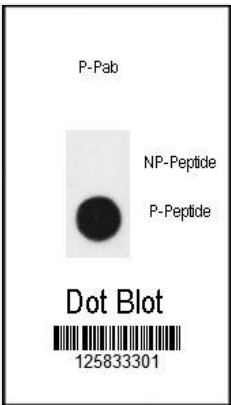
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Cleaved antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 149-175 amino acids from human Cleaved.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	149-175
Sequence Length	277
Applicable Applications for anti-CASP3 antibody	IHC (Immunohistochemistry), ELISA, DB (Dot Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Cleaved-CASP3 (Asp175)Antibody IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Cleaved-CASP3 (Asp175)Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



DB (Dot Blot)
Dot blot analysis of anti-Cleaved-CASP3 (Asp175) Antibody on nitrocellulose membrane. 50ng of Cleaved-peptide or Non Cleaved-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	CASP3 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 cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease.
Product Categories/Family for anti-CASP3 antibody	Cancer; Cell Biology; Metabolism; Neuroscience; Amyotrophic Lateral Sclerosis (ALS)
References	Mei, Y., et al. Mol. Cell 37(5):668-678(2010) Sohn, E.J., et al. Cancer Res. 70(3):1154-1163(2010) Karamitopoulou, E., et al. Pathology 42(1):37-42(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836
NCBI Accession #	NP_004337.2; NP_116786.1
NCBI GenBank Nucleotide #	NM_004346.3
UniProt Accession #	P42574; Q96AN1; Q96KP2; A8K5M2; D3DP53
Molecular Weight	31608
NCBI Official Full Name	caspase-3 preproprotein
NCBI Official Synonym Full Names	caspase 3, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP3
NCBI Official Synonym Symbols	CPP32; SCA-1; CPP32B
NCBI Protein Information	caspase-3
UniProt Protein Name	Caspase-3
UniProt Gene Name	CASP3
UniProt Synonym Gene Names	CPP32; CASP-3; CPP-32; SCA-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cleaved-casp3-asp175-antibody-immunohistochemistry-dot-blot-elisa/285112>