

Rabbit Caspase-3 p17 Polyclonal Antibody | anti-CARTPT antibody

[KO Validated] Caspase-3 p17 Rabbit pAb

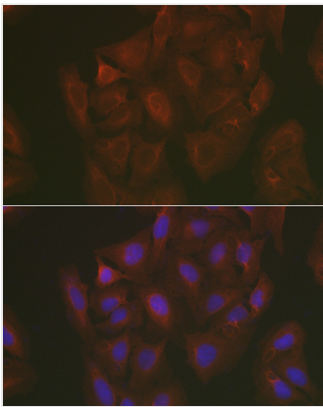
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28408	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

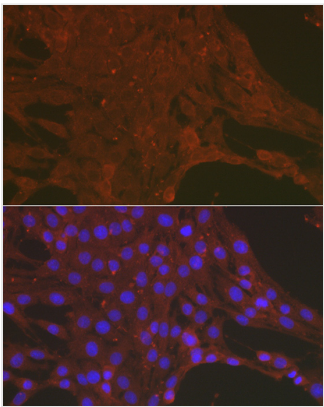
Caspase-3 p17; Polyclonal Antibody; [KO Validated] Caspase-3 p17 Rabbit pAb; CASP3; CPP32; CPP32B; SCA-1; caspase-3; anti-CARTPT antibody

PRODUCT SPECIFICATIONS

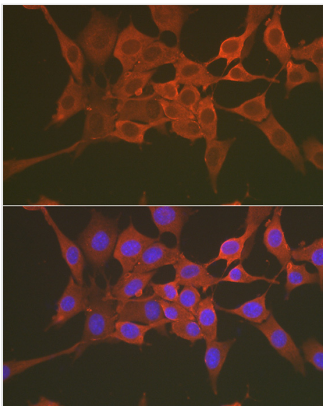
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	EKELIEALQE VLKCLKSKRV PIYEKKYGQV PMCDAGEQCA VRKGARIGKL CDCPRGTSCN SFLKCL
Applicable Applications for anti-CARTPT antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF/ICC: 1:50-1:200 Customer Validation: WB (Homo sapiens)
Positive Samples	293T, Jurkat, Mouse lung
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 29-175 of human Caspase-3 (NP_004337.2).
Cellular Location	Cytoplasm
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



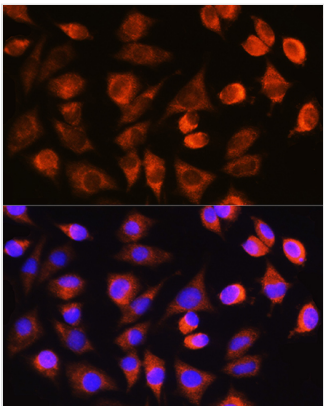
IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using Caspase-3 p17 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



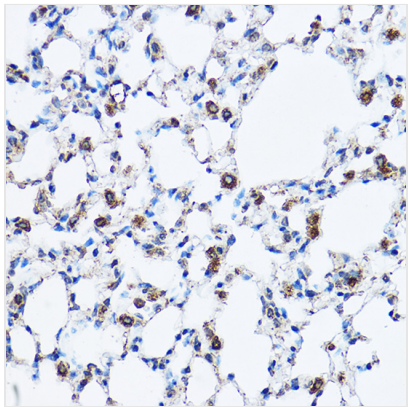
IF (Immunofluorescence)
Immunofluorescence analysis of PC-12 cells using Caspase-3 p17 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



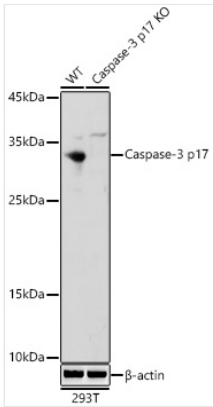
IF (Immunofluorescence)
Immunofluorescence analysis of NIH/3T3 cells using Caspase-3 p17 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using Caspase-3 p17 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse lung using Caspase-3 p17 Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts from wild type(WT) and Caspase-3 p17 knockout (KO) 293T cells, using Caspase-3 p17 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-CARTPT antibody	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 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. Alternative splicing of this gene results in two transcript variants that encode the same protein.
Product Categories/Family for anti-CARTPT antibody	Signal Transduction; ErbB-HER Signaling Pathway; Cell Biology & Developmental Biology; Apoptosis; Caspases; Mitochondrial Control of Apoptosis; Inhibition of Apoptosis; Death Receptor Signaling Pathway; Hippo Signaling Pathway; Neuroscience; Neurodegenera

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757910
NCBI GeneID	9607
NCBI Accession #	NP_004282.1
NCBI GenBank Nucleotide #	NM_004291.3
UniProt Accession #	Q16568; Q6FG92
Molecular Weight	12,829 Da
NCBI Official Full Name	cocaine- and amphetamine-regulated transcript protein preproprotein
NCBI Official Synonym Full Names	CART prepropeptide
NCBI Official Symbol	CARTPT
NCBI Official Synonym Symbols	CART
NCBI Protein Information	cocaine- and amphetamine-regulated transcript protein
UniProt Protein Name	Cocaine- and amphetamine-regulated transcript protein
UniProt Gene Name	CARTPT
UniProt Synonym Gene Names	CART
UniProt Entry Name	CART_HUMAN

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/caspase-3-p17-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28408>