(KO Validated) Caspase-3 p17 Polyclonal Antibody

Catalog Number:E-AB-93323

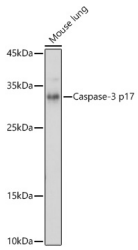
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

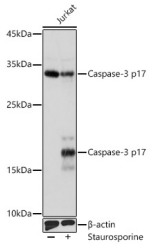
Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human Caspase-3
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.01% thiomersal,50% glycerol,pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100
IF	1:50-1:200

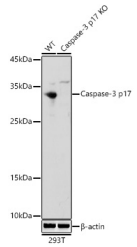
Data



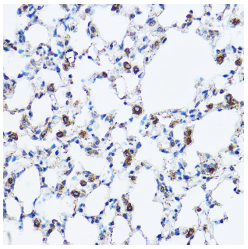
Western blot analysis of extracts of Mouse lung using Caspase-3 p17 Polyclonal Antibody at 1:1000 dilution.
Observed Mw:32KDa/17KDa
Calculated Mw:31kDa



Western blot analysis of extracts of Jurkat cells using Caspase-3 p17 Polyclonal Antibody at 1:1000 dilution.Jurkat cells were treated by staurosporine(1 uM) for 3 hour.



Western blot analysis of extracts from wild type(WT) and Caspase-3 p17 knockout (KO) 293T cells using Caspase-3 p17 Polyclonal Antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse lung using Caspase-3 p17 Polyclonal Antibody 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.

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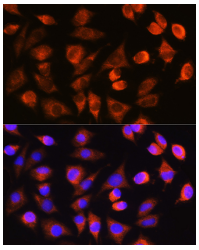
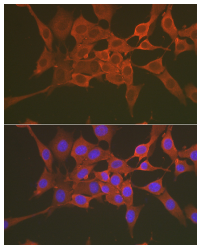


Immunofluorescence analysis of L929 cells using Caspase-3 p17 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



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

Preparation & Storage

Storage Store at -20℃. Avoid freeze/thaw cycles.

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 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.

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