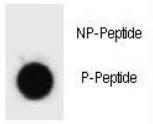
Phospho-Caspase-3 Antibody (pS12) (F48684)

Catalog No.	Formulation	Size
F48684-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48684-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P70677
Applications	Dot blot: 1:500
Limitations	This phospho-Caspase-3 antibody is available for research use only.



Dot blot analysis of phospho-Caspase-3 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

Description

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. [provided by RefSeq].

Application Notes

Titration of the phospho-Caspase-3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This phospho-Caspase-3 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS12 of mouse CASP3.

Storage

Aliquot the phospho-Caspase-3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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