

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Caspase-3, Human, pAb			
Catalog number	HP9060			
Lot number	-	Expiry date	-	
Volume	0.1 ml	Amount	100 µg	
Host Species	Rabbit IgG	Concentration	1 mg/ml	
Formulation	0.2 µm filtered in PBS+50%glycerol+0.5%BSA+0.02%NaN3		Conjugate	None
Endotoxin	N.A.	Purification	Affinity	
Storage	4°C			

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes			•			•		•
No								
N.D.	•	•		•	•		•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- W: A reduced and non-reduced sample treatment and SDS-Page was used. The band size is ~17 kDa.

General Information

Description	The caspase-3 antibody recognizes caspase-3, a member of the peptidase C14A family of enzymes. It is widely expressed and is an integral component of the apoptotic cascade. Caspase-3 is considered to be the major executioner caspase; that is, the primary downstream mediator of apoptotic associated proteolysis. Human pro-caspase-3 is a 32 kDa, 277 amino acid (aa) protein. Normally, it is an inactive, cytosolic homodimer, but following an upstream signal that activates processing proteases, pro-caspase-3 undergoes proteolytic cleavage. Multiple proteases can use caspase 3 as a substrate including caspase-6, -8, and -10, granzyme B, and caspase-3 itself. Active caspase-3 is known to utilize a Cys residue to cleave multiple substrates, including PARP, proL16, PKCγ & δ, pro-caspases-6, -7 and -9, and βcatenin. Caspase-3 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. This caspase-3 polyclonal antibody detects endogenous levels of caspase-3 protein.
Immunogen	Synthesized peptide derived from human Caspase-3 around the non-phosphorylation site of S150
Aliases	CASP-3, Apopain, Cysteine protease CPP32, CCP-32, Protein Yama, SREBP cleavage activity 1, SCA-1
Gene	Gene name: CASP3, CCP32
Cross reactivity	Mouse: Yes; Rat: Yes.
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
15/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.