#9661 Store at -20C

Cleaved Caspase-3 (Asp175) Antibody



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For Research	Use Only.	Not for Us	e in Diagnostic	Procedures.

Applications: WB, W-S, IP, IHC-P, IF- IC, FC-FP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 17, 19	Source: Rabbit	UniProt ID: #P42574	Entrez-Gene Id 836			
Product Usage		Application Dilution							
Information		Western Blotting			1:1000				
		Simple Western™			1:10 - 1:50				
		Immunoprecipitation			1:100				
		Immunohistochemistry	(Paraffin)		1:400				
		Immunofluorescence (Immunocytochemis		1:400				
		Flow Cytometry (Fixed	l/Permeabilized)		1:800				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at $-$ 20°C. Do not aliquot the antibody.							
Specificity / Sensit	a le v h	Cleaved Caspase-3 (Asp175) Antibody detects endogenous levels of the large fragment (17/19 kDa) of activated caspase-3 resulting from cleavage adjacent to Asp175. This antibody does not recognize full length caspase-3 or other cleaved caspases. This antibody detects non-specific caspase substrates by western blot. Non-specific labeling may be observed by immunofluorescence in specific sub-types of healthy cells in fixed-frozen tissues (e.g. pancreatic alpha-cells). Nuclear background may be observed in rat and monkey samples.							
Species predicted react based on 100 sequence homolog	1%	Bovine, Dog, Pig							
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino-terminal residues adjacent to (Asp175) in human caspase-3.							
Background	tı (. z	Caspase-3 (CPP-32, Apopain, Yama, SCA-1) is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins, such as the nuclear enzyme poly (ADP-ribose) polymerase (PARP) (1). Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments. Cleavage of caspase-3 requires the aspartic acid residue at the P1 position (2).							
Background Refere		 Fernandes-Alnemri, T. et al. (1994) J Biol Chem 269, 30761-4. Nicholson, D.W. et al. (1995) Nature 376, 37-43. 							
Species Reactivity	Sı	pecies reactivity is dete	ermined by testing in	n at least one appro	ved application (e.g., we	estern blot).			
Western Blot Buffe	e r IM	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry							

Applications Key

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

wB: Western Blotting w-S: Simple Western™ IP: Immunoprecipitation

IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Trademarks and Patents

Limited Uses

Cleaved Caspase-3 (Asp175) Antibody (#9661) Datasheet Without Images Cell Signaling Technology

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