

## 15108

**Limited Uses** 

## Smac/Diablo (D5S3R) Rabbit mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP, IHC-P, IF-F, IF- IC, FC-FP	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 21	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q9NR28	Entrez-Gene Id: 56616
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemist Immunofluorescence Immunofluorescence	ry (Paraffin) (Frozen) (Immunocytochem	istry)	1:100 1:100	00 0 - 1:2000 0 - 1:400 0 - 1:400
Storage		Flow Cytometry (Fixed/Permeabilized) 1:200 - 1:800  Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Smac/Diablo (D5S3R) Rabbit mAb recognizes endogenous levels of total Smac/Diablo protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Smac/Diablo protein.				
Background		during apoptosis (1,2) competes with caspas Smac/Diablo with IAP involves mainly the ar	). Upon mitochondr ses for binding of IA s relieves the inhibi mino-terminal resid everal other hydrop	ochondrial protein that fial stress, Smac/Diablo is NS (inhibitor of apoptos tory effect of the IAPs or ues of Smac/Diablo with hobic interactions betwe	s released from mit is proteins) (1,2). Th n caspases (3,4). Thi the BIR3 region of	ochondria and e interaction of s interaction XIAP,
Background References		1. Du, C. et al. (2000) <i>Cell</i> 102, 33-42. 2. Verhagen, A.M. et al. (2000) <i>Cell</i> 102, 43-53. 3. Srinivasula, S.M. et al. (2001) <i>Nature</i> 410, 112-6. 4. Srinivasula, S.M. et al. (2000) <i>J Biol Chem</i> 275, 36152-7. 5. Liu, Z. et al. (2000) <i>Nature</i> 408, 1004-8. 6. Wu, G. et al. (2000) <i>Nature</i> 408, 1008-12.				
Species Reactivity	/	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-F:</b> Immunofluorescence (Frozen) <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)				
Cross-Reactivity Key		H: Human M: Mouse R: Rat				
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