



Datasheet for ABIN674619
anti-DIABLO antibody (AA 131-239)



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3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	DIABLO
Binding Specificity:	AA 131-239
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIABLO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Smac
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	DIABLO
Alternative Name:	Smac/DIABLO (DIABLO Products)

Target Details

Background:	<p>Synonyms: SMAC, DFNA64, Diablo homolog, mitochondrial, Direct IAP-binding protein with low pl, Second mitochondria-derived activator of caspase, DIABLO</p> <p>Background: Promotes apoptosis by activating caspases in the cytochrome c/Apaf-1/caspase-9 pathway. Acts by opposing the inhibitory activity of inhibitor of apoptosis proteins (IAP). Inhibits the activity of BIRC6/bruce by inhibiting its binding to caspases. Isoform 3 attenuates the stability and apoptosis-inhibiting activity of XIAP/BIRC4 by promoting XIAP/BIRC4 ubiquitination and degradation through the ubiquitin-proteasome pathway. Isoform 3 also disrupts XIAP/BIRC4 interacting with processed caspase-9 and promotes caspase-3 activation. Isoform 1 is defective in the capacity to down-regulate the XIAP/BIRC4 abundance.</p>
Gene ID:	56616
UniProt:	Q9NR28
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

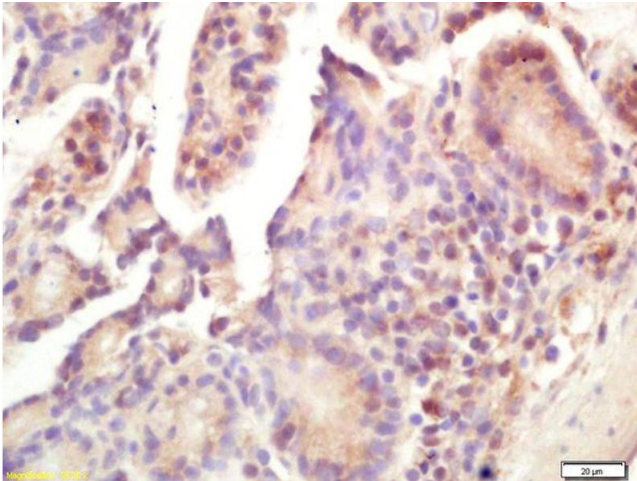
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in:

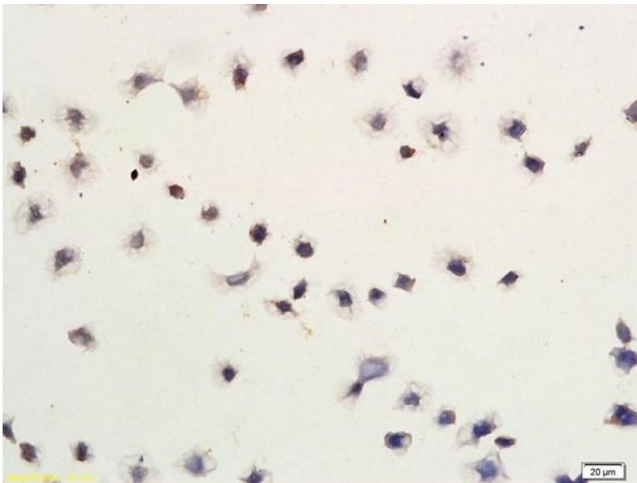
Liu, Chen, Li, Wang, Cheng: "Smac/DIABLO regulates the apoptosis of hypertrophic scar fibroblasts." in: **International journal of molecular medicine**, Vol. 32, Issue 3, pp. 615-22, (2013) ([PubMed](#)).

Images



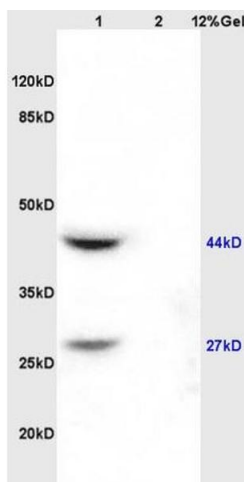
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse intestine labeled with Rabbit Anti Smac/DIABLO Polyclonal Antibody, Unconjugated (ABIN674619) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Gastric Cancer Cells labeled with Anti-Smac/DIABLO Polyclonal Antibody, Unconjugated (ABIN674619) followed by conjugation to the secondary antibody



SDS-PAGE

Image 3. Lane 1: rat kidney lysates Lane 2: rat brain lysates probed with Anti AVPR2 Polyclonal Antibody, Unconjugated (ABIN674619) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 40kD. Observed band size: 40kD