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Datasheet for ABIN6941009

anti-PDLIM1 antibody

2 Images



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Overview

Quantity:	100 μg
Target:	PDLIM1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDLIM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length PDLIM1 protein
Clone:	CPTC-PDLIM1-1
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	PDLIM1
Alternative Name:	PDLIM1 (PDLIM1 Products)
Background:	CLP36, also known as PDLIM1, CLIM1 or Elfin, is a 329 amino acid cytoplasmic protein that
	associates with actin stress fibers at the cytoskeleton. Expressed at high levels in skeletal
	muscle and heart and at lower levels in colon, small intestine, spleen, lung, placenta, kidney,
	liver, thymus and pancreas, CLP36 functions as a cytoskeletal protein that is thought to act as

Target Details

an adaptor, bringing target proteins to the cytoskeleton. Specifically, CLP36 interacts with Clik1
(-actinin-1, thereby facilitating the association of Clik1 with actin stress fibers. CLP36 contains
one PDZ domain and one LIM zinc-binding domain through which it conveys its protein-protein
binding capabilities. Human CLP36 shares 88 % sequence similarity with its rat counterpart,
suggesting a conserved function between species.

Molecular Weight:	36kDa
Gene ID:	9124
UniProt:	O00151

Application Details

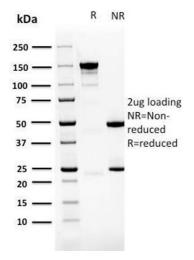
Application Notes:	Positive Control: HepG2 cells and extracts from Jurkat. Human heart, colon or spleen.
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Known Application: Western Blot (0.5-1.0 μ g/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 μ g/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

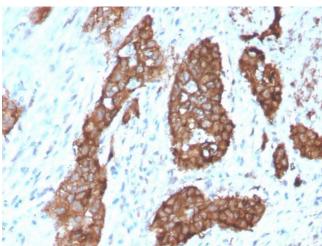
Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified PDZ and LIM Domain 1 Mouse Monoclonal Antibody (PDLIM-1). Confirmation of Purity and Integrity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with PDZ and LIM Domain 1 Mouse Monoclonal Antibody (PDLIM-1).