



PEAR1 Monoclonal Antibody

Catalog No	YP-mAb-07159
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PEAR1 MEGF12
Protein Name	Platelet endothelial aggregation receptor 1 (hPEAR1) (Multiple epidermal growth factor-like domains protein 12) (Multiple EGF-like domains protein 12)
Immunogen	Synthesized peptide derived from human protein . at AA range: 910-990
Specificity	PEAR1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	114kD
Cell Pathway	Cell membrane ; Single-pass membrane protein . Detected on the cell surface in resting platelets. .
Tissue Specificity	Expressed in umbilical vein endothelial cells and platelets (at protein level). Expressed in heart, kidney, skeletal muscle, pancreas, ovary, breast, lung, brain cortex, hypothalamus, spinal cord, dorsal root ganglion, endothelial cells of umbilical cord artery and vein, megakaryocytes, osteoblasts, coronary muscle and erythroid cells. Weakly expressed in peripheral blood leukocytes and macrophages.
Function	function:When overexpressed, reduces the number of both early and late non-adherent myeloid progenitor cells.,PTM:Phosphorylated in the intracellular domain on tyrosine residues (By similarity). Phosphorylated on tyrosine residues by SRC. Tyrosine phosphorylation is detected upon platelet aggregation stimulated by collagen, TRAP and thrombin and platelet-platelet contacts but not after platelet activation. Tyrosine phosphorylation enhanced its association with SHC1 and SHC2.,similarity:Belongs to the MEGF family.,similarity:Contains 1 EMI domain.,similarity:Contains 9 EGF-like domains.,subcellular location:Detected on the cell surface in resting platelets.,subunit:Interacts with SHC2 upon its aggregation-induced tyrosine phosphorylation.,tissue specificity:Expressed in umbilical vein endothelial cells and platelets (at protein



level). Expressed in heart, kidney, skeletal muscle, pancreas

Background

PEAR1 is a platelet receptor that signals upon the formation of platelet-platelet contacts independent of platelet activation and secondary to platelet aggregation (Nanda et al., 2005 [PubMed 15851471]).[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images