



EPS8 Monoclonal Antibody

Catalog No	YP-mAb-04982
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	EPS8
Immunogen	Synthesized peptide derived from human protein . at AA range: 130-210
Specificity	EPS8 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Epidermal growth factor receptor kinase substrate 8;EPS8
Observed Band	97 kDa
Calculated Molecular Weight	822 aa, 92 kDa
Cell Pathway	Cytoplasm, cell cortex . Cell projection, ruffle membrane . Cell projection, growth cone . Cell projection, stereocilium . Cell junction, synapse, synaptosome . Localizes at the tips of the stereocilia of the inner and outer hair cells (By similarity). Localizes to the midzone of dividing cells. .
Tissue Specificity	Expressed in all tissues analyzed, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Expressed in all epithelial and fibroblastic lines examined and in some, but not all, hematopoietic cells.
Function	domain:The SH3 domain mediates interaction with SHB.,function:Upon binding to EGF receptor enhances EGF-dependent mitogenic signals. Can bind multiple cellular targets.,PTM:Phosphorylated by several receptor tyrosine kinases.,similarity:Belongs to the EPS8 family.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH3 domain.,subunit:Homodimer (By similarity). Interacts with BAIAP2. Interacts with SHB.,tissue specificity:Expressed in all tissues analyzed, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Expressed in all epithelial and fibroblastic lines examined and in

some, but not all, hematopoietic cells.,

Background

This gene encodes a member of the EPS8 family. This protein contains one PH domain and one SH3 domain. It functions as part of the EGFR pathway, though its exact role has not been determined. Highly similar proteins in other organisms are involved in the transduction of signals from Ras to Rac and growth factor-mediated actin remodeling. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 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