

PTPRM Antibody

Catalog No: #37227

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

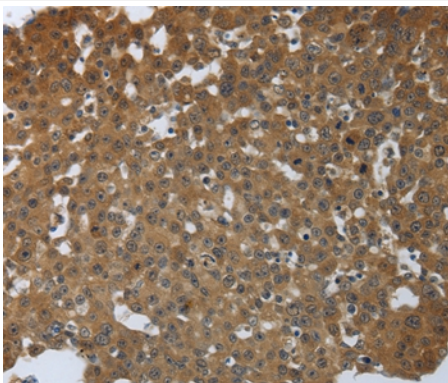
Description

Product Name	PTPRM Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total PTPRM protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human Protein tyrosine phosphatase, receptor type, M
Target Name	PTPRM
Other Names	RPTPM; RPTPU; PTPRL1; hR-PTPu; R-PTP-MU
Accession No.	Swiss-Prot#: P28827NCBI Gene ID: 5797Gene Accssion: NP_002836
Uniprot	P28827
GeneID	5797;
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

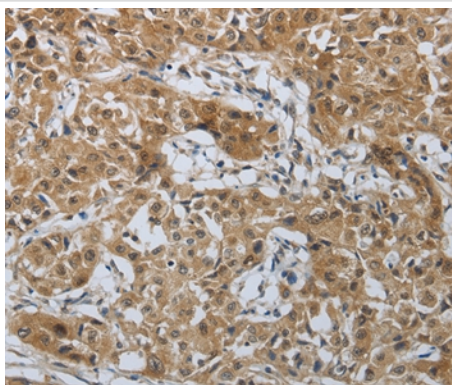
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using #37227 at dilution 1/40.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #37227 at dilution 1/40.

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcripts encoding distinct isoforms.

Note: This product is for in vitro research use only