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Immunotag™ PTPRF Polyclonal Antibody

Antibody Specification

Catalog No.	ITN2203
Product Description	Immunotag™ PTPRF Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTPRF
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTPRF Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PTPRF LAR
Accession No.	P10586 A2A8L5 Q64604

Antibody Specification

Description	protein tyrosine phosphatase, receptor type F(PTPRF) Homo sapiens 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 intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pat
Cell Pathway/ Category	Cell adhesion molecules (CAMs),Adherens_Junction,Insulin_Receptor,
Protein Expression	Brain,Human cervix,Plasma,Retinoblastoma,Tonsil,
Subcellular Localization	plasma membrane,integral component of plasma membrane,integral component of membrane,neuron projection,neuronal cell body,extracellular exosome,
Protein Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase).,function:The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily.,similarity:Contains 2 tyrosine-protein phosphatase domains.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,similarity:Contains 8 fibronectin type-III domains.,subunit:Interacts with GRIP1 (By similarity). Interacts with PPFIA1, PPFIA2 and PPFIA3.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.