CPTC-PTPRC-1 (CAB080250)

Uniprot ID: P08575

Protein name: PTPRC_HUMAN

Full name: Receptor-type tyrosine-protein phosphatase C

Tissue specificity: Isoform 1: Detected in thymocytes. Isoform 2: Detected in thymocytes. Isoform 3: Detected in thymocytes. Isoform 4: Not detected in thymocytes. Isoform 5: Detected in thymocytes. Isoform 5: Detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7: Detected in thymocytes. Isoform 8: Not detected in thymocytes. Isoform 7: Detected in thymocytes. Isoform 8: Not detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7: Detected in thymocytes. Isoform 8: Not detected in thymocytes. Isoform 7: Detected in thymocytes. Isoform 8: Not detected in thymocytes. Isoform 9: Not detected 1: Not d

Subcellular location:

Cell membrane (experimental evidence) (Topo: Single-pass type I membrane protein (match to sequence model))

IHC protocol:

IHC test staining:

Membrane raft (experimental evidence)

NOTE: Colocalized with DPP4 in membrane rafts.

Protein existence: Experimental evidence at protein level

Comment:

Immunohistochemistry



Immunofluorescence



Literature significance:		
RNA similarity:	Very low consistency between antibody staining and RNA expression data	
RNA tissue specificity:	Tissue enhanced (bone marrow,lymphoid tissue)	
RNA tissue distribution:	Detected in all	
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern	
IHC fail comment:	ANTIBODY FAILED: Not consistent with RNA	

Not consistent with gene/protein characterization data

HIER pH6, Dilution 1:600

Cytoplasmic positivity in pancreas.

IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Cytosol - 12: Uncertain (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Negative
IF in U-2 OS:	Cytosol

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10	
WB Lanes:	Marker (1), RT4 (2), U-251 MG (3), Plasma (4), Liver (5), Tonsil (6)	
WB Target weight (kDa):	4, 10, 13, 16, 16, 17, 68, 83, 131, 147	
WB Validation:	Supported (Band of predicted size in kDa (+/-20%) with additional bands present.)	