

Ptprc Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14353**Specification**

Ptprc Antibody - middle region - Product Information

Application	WB
Primary Accession	P04157
Other Accession	NM_138507 , NP_612516
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140kDa KDa

Ptprc Antibody - middle region - Additional Information**Gene ID** 24699**Alias Symbol** CD45, L-CA, Lca, RT7, T200**Other Names**

Receptor-type tyrosine-protein phosphatase C, 3.1.3.48, Leukocyte common antigen, L-CA, T200, CD45, Ptprc

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Ptprc antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Ptprc Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Ptprc Antibody - middle region - Protein Information**Name** Ptprc**Function**

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN (By similarity). Dephosphorylates LYN, and thereby modulates LYN activity (By similarity). Interacts with CLEC10A at antigen presenting cell-T cell contact; CLEC10A on immature dendritic cells recognizes Tn

antigen- carrying PTPRC/CD45 receptor on effector T cells and modulates T cell activation threshold to limit autoreactivity.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P08575}; Single-pass type I membrane protein. Membrane raft {ECO:0000250|UniProtKB:P08575}. Synapse {ECO:0000250|UniProtKB:P08575} Note=Colocalized with DPP4 in membrane rafts {ECO:0000250|UniProtKB:P08575}

Tissue Location

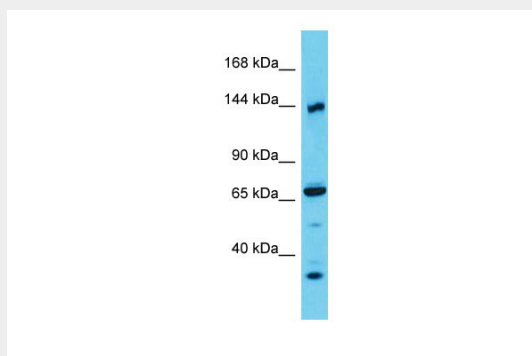
Isoform 1 and isoform 2 are found in thymocyte and lymph node. Isoform 4 and isoform 3 are found in the lymph nod

Ptprc Antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ptprc Antibody - middle region - Images



Host: Rabbit
Target Name: Ptprc
Sample Tissue: Rat Spleen lysates
Antibody Dilution: 1.0µg/ml

Ptprc Antibody - middle region - References

Barclay A.N.,et al.EMBO J. 6:1259-1264(1987).
Barclay A.N.,et al.Submitted (MAY-1987) to the EMBL/GenBank/DDBJ databases.
Thomas M.L.,et al.Cell 41:83-93(1985).