PTPRC Polyclonal Antibody

catalog number: **E-AB-60618**

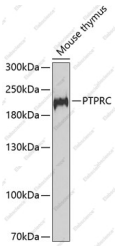
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human PTPRC (NP_002829.2)
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

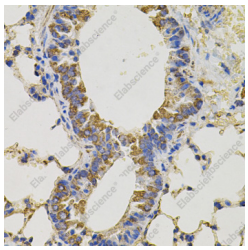
Data



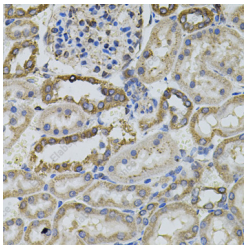
Western blot analysis of extracts of Mouse thymus using PTPRC Polyclonal Antibody at dilution of 1:1000.

Observed-MW:185 kDa

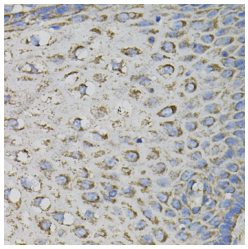
Calculated-MW:130 kDa/147 kDa



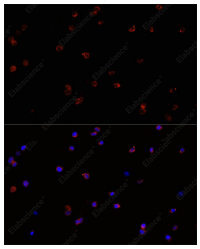
Immunohistochemistry of paraffin-embedded Mouse lung using PTPRC Polyclonal Antibody



Immunohistochemistry of paraffin-embedded Rat kidney using PTPRC Polyclonal Antibody



Immunohistochemistry of paraffin-embedded Human esophagus using PTPRC Polyclonal Antibody



Immunofluorescence analysis of Jurkat cells using PTPRC Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

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Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.

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