antibodies .- online.com







anti-CD45 antibody



Images



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Quantity:	200 μL
Target:	CD45 (PTPRC)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD45 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide of human PTPRC (NP_002829.2).	
Isotype:	IgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

Target Details

Target:	CD45 (PTPRC)
Alternative Name:	PTPRC (PTPRC Products)
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.

Molecular Weight: Observed_MW: 185 kDa

Calculated_MW: 130 kDa/147 kDa

Gene ID: 5788

UniProt: P08575

Pathways: TCR Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune

Effector Process, Production of Molecular Mediator of Immune Response, CXCR4-mediated

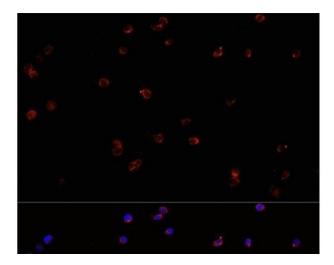
Signaling Events, BCR Signaling

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

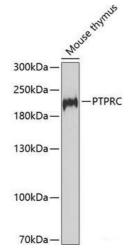
Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



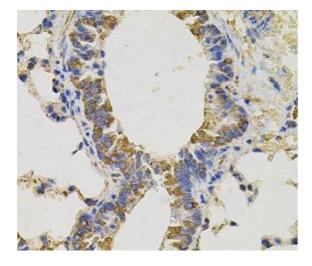
Immunofluorescence

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



Western Blotting

Image 2. Western blot analysis of extracts of Mouse thymus using PTPRC Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Mouse lung using PTPRC Polyclonal Antibody

Please check the product details page for more images. Overall 5 images are available for ABIN7260187.