

Datasheet for ABIN3022954  
**anti-CD45 antibody (AA 890-990)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	CD45 (PTPRC)
Binding Specificity:	AA 890-990
Reactivity:	Human
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 corresponding to a sequence within amino acids 890-990 of human CD45 (NP_002829.2).
Sequence:	RCLMVQVEAQ YILIHQALVE YNQFGETEVN LSELHPYLHN MKKRDPPSEP SPLEAEFQRL PSYRSWRTQH IGNQEENKSK NRNSNVIPIYD YNRVPLKHEL E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	CD45 (PTPRC)
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## Target Details

Alternative Name:	PTPRC ( <a href="#">PTPRC Products</a> )
Background:	<p>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.,B220,CD45,CD45R,GP180,L-CA,LCA,LY5,T200,PTPRC,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology &amp; Developmental Biology,Apoptosis,Immunology &amp; Inflammation,CD markers,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,Neuroscience,Cell Type Marker,Stem Cells,Hematopoietic Progenitors,Microglia marker,PTPRC</p>
Molecular Weight:	130 kDa/147 kDa
Gene ID:	5788
UniProt:	<a href="#">P08575</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">BCR Signaling</a>

## Application Details

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

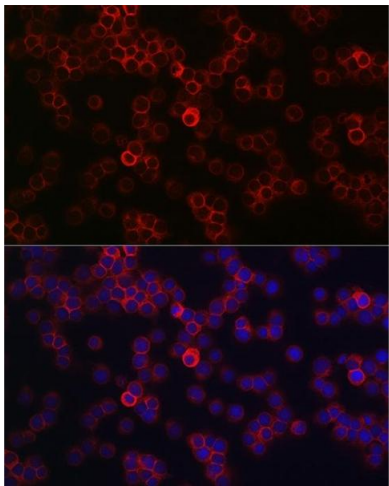
## Handling

Format:	Liquid
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

Handling

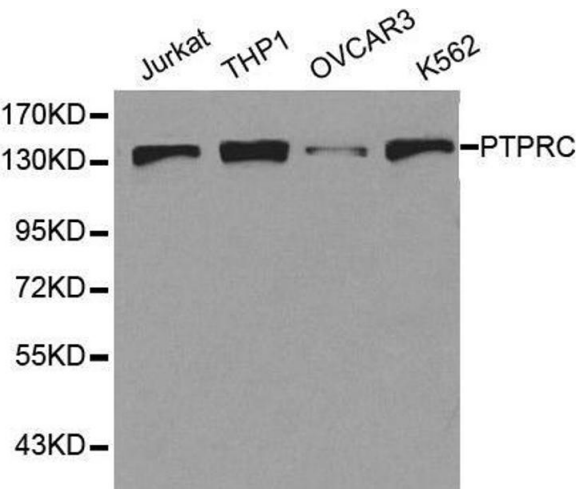
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



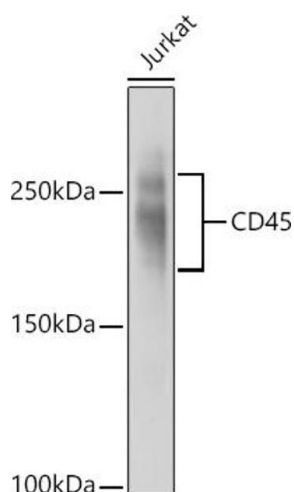
Immunofluorescence

**Image 1.** Immunofluorescence analysis of Jurkat cells using CD45 Rabbit pAb (ABIN3022953, ABIN3022954, ABIN3022955, ABIN1513451 and ABIN6219315) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PTPRC antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts of Jurkat cells, using CD45 antibody (ABIN3022953, ABIN3022954, ABIN3022955, ABIN1513451 and ABIN6219315) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022954.