

Datasheet for ABIN669606  
**anti-CD45 antibody (AA 1210-1304)**

6 Images

6 Publications

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## Overview

Quantity:	100 µL
Target:	CD45 (PTPRC)
Binding Specificity:	AA 1210-1304
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD45 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD45
Isotype:	IgG
Specificity:	The antibody is predicted to work with Mouse and Rat samples, but with decreased sensitivity compared to human samples.
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Cow
Purification:	Purified by Protein A.

## Target Details

Target:	CD45 (PTPRC)
Alternative Name:	CD45 ( <a href="#">PTPRC Products</a> )
Background:	<p>Synonyms: LCA, LY5, B220, CD45, L-CA, T2, CD45R, GP18, Receptor-type tyrosine-protein phosphatase C, Leukocyte common antigen, PTPRC</p> <p>Background: 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. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).</p>
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 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IF(IHC-P) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

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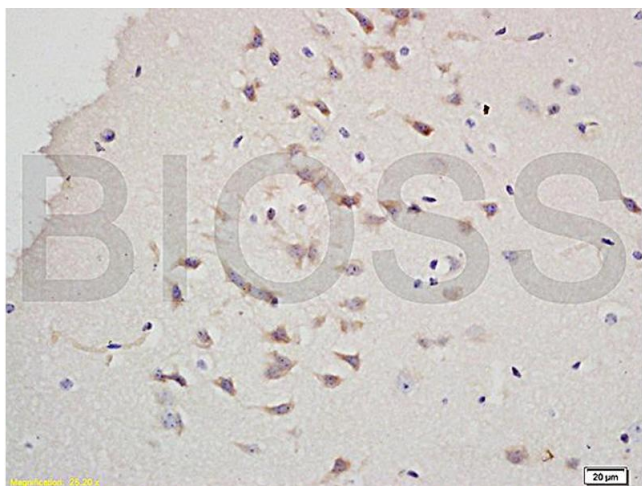
Product cited in: Zhu, Meng, Wang, Wang, Zhang, Li, Li, Tan, Yang, Huang: "Effects of neuritin on the differentiation of bone marrow-derived mesenchymal stem cells into neuron-like cells." in: **Molecular medicine reports**, Vol. 16, Issue 3, pp. 3201-3207, (2018) ([PubMed](#)).

Liao, Zhong, Liu, Li, Ling, Zou: "Bone mesenchymal stem cells co-expressing VEGF and BMP-6 genes to combat avascular necrosis of the femoral head." in: **Experimental and therapeutic medicine**, Vol. 15, Issue 1, pp. 954-962, (2018) ([PubMed](#)).

Tsang, Huang, Yang, Chi, Chiang, Wang, Andocs, Szasz, Li, Chi: "Improving immunological tumor microenvironment using electro-hyperthermia followed by dendritic cell immunotherapy." in: **BMC cancer**, Vol. 15, pp. 708, (2015) ([PubMed](#)).

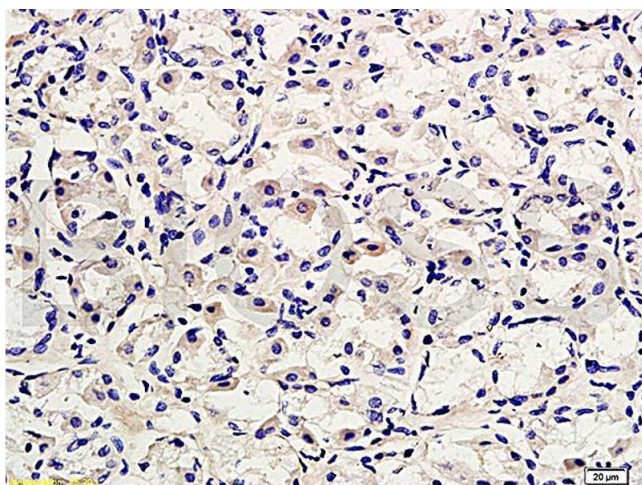
Gao, Zhang, Ding, Chen, Hu, Jiang, Li, Chen, Wang, Ye, Zhu: "Common expression of stemness molecular markers and early cardiac transcription factors in human Wharton's jelly-derived mesenchymal stem cells and embryonic stem cells." in: **Cell transplantation**, Vol. 22, Issue 10, pp. 1883-900, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



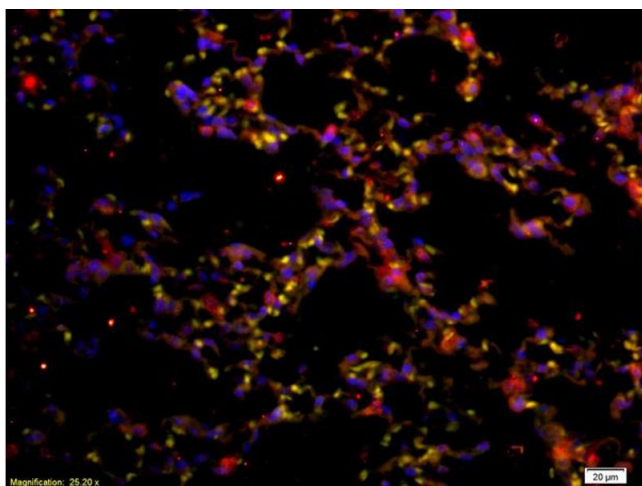
#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-CD45/B220 Polyclonal Antibody, Unconjugated (ABIN669606) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human gastric adenocarcinoma labeled with Rabbit Anti-CD45/B220 Polyclonal Antibody, Unconjugated (ABIN669606) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### Immunofluorescence

**Image 3.** Formalin-fixed and paraffin embedded mouse lung labeled with Anti-CD45 Polyclonal Antibody, Unconjugated (ABIN669606) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, PE conjugated used at 1:200 dilution for 40 minutes at 37°C

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN669606.