

A22323

Leader in Biomolecular Solutions for Life Science



CD45 Rabbit mAb

Catalog No.: A22323

Recombinant

Basic Information

Observed MW

180-250kDa

Calculated MW

147kDa

CategorySMab Recombinant Monoclonal
Antibody**Applications**

WB,IHC-P,ELISA

Cross-Reactivity

Human

CloneNo number

ARC52283

Recommended Dilutions

WB 1:200000 - 1:1200000**IHC-P** 1:3000 - 1:9000**ELISA** Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Contact

www.abclonal.com

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.

Immunogen Information

Gene ID

5788

Swiss Prot

P08575

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 194-390 of human CD45 (NP_002829.3).

Synonyms

LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180; IMD105

Product Information

Source

Rabbit

Isotype

IgG

Purification

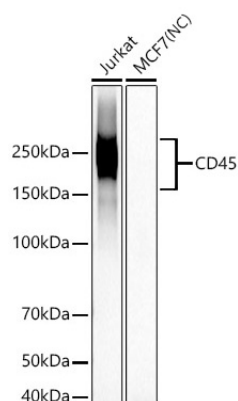
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using CD45 Rabbit mAb (A22323) at 1:200000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

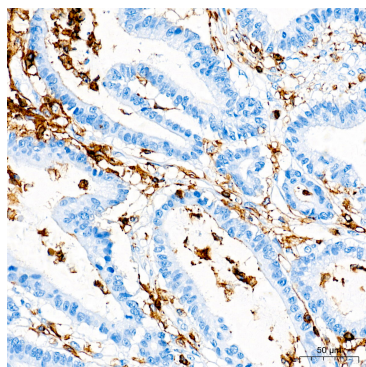
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

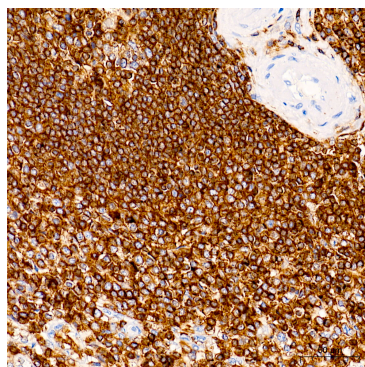
Detection: ECL Basic Kit (RM00020).

Negative control (NC): MCF7.

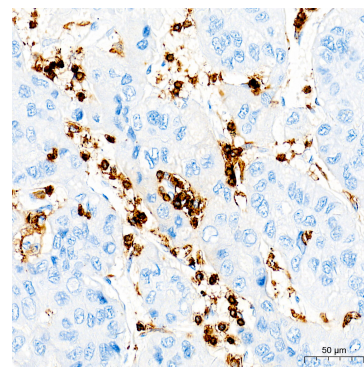
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD45 Rabbit mAb (A22323) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD45 Rabbit mAb (A22323) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using CD45 Rabbit mAb (A22323) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.