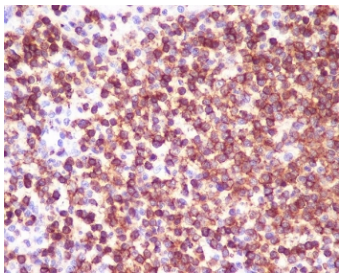
CD45 Antibody [clone CBI-16] (RQ5242)

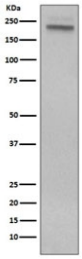
Catalog No.	Formulation	Size
RQ5242	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

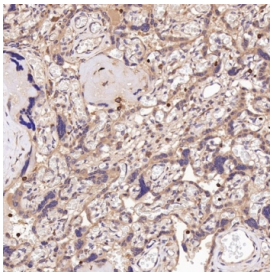
Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	CBI-16
Purity	Affinity purified
UniProt	P08575
Applications	Western Blot : 1:1000-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This CD45 antibody is available for research use only.



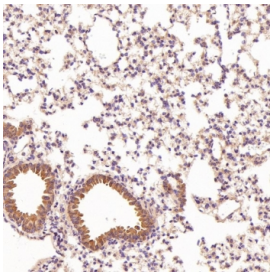
IHC staining of FFPE human spleen tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



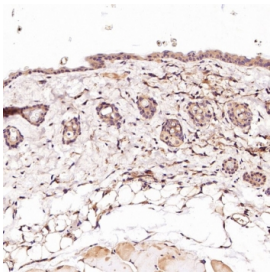
Western blot testing of human Jurkat cell lysate with CD45 antibody. Expected molecular weight: 147-220 kDa depending on glycosylation level.



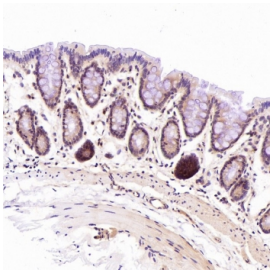
IHC staining of FFPE human placenta tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse lung tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse skin tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE rat stomach tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

CD45 is a protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. [UniProt]

CD45 is encoded by PTPRC and functions as a key regulator of leukocyte signaling and hematopoietic cell biology; additional reagents targeting this protein are available on the CD45 Antibody page.

Application Notes

Optimal dilution of the CD45 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human CD45 / PTPRC was used as the immunogen for the CD45 antibody.

Storage

Store the CD45 antibody at -20oC.

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