

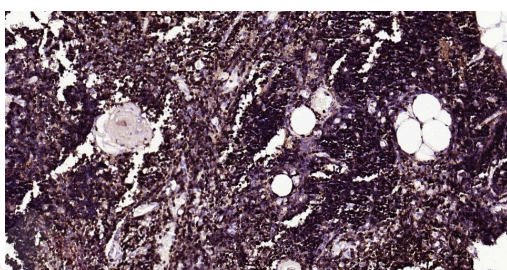
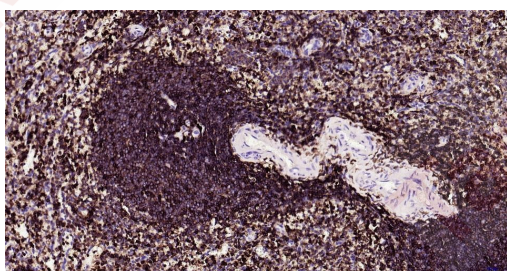
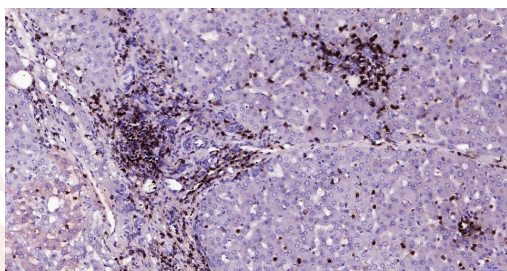
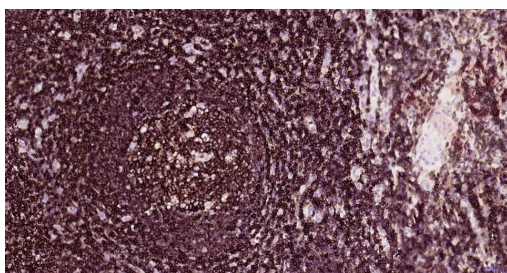
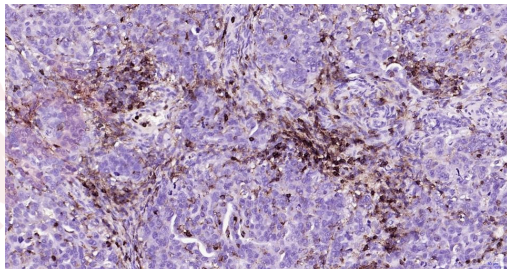
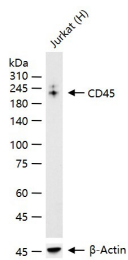
Anti-CD45 Polyclonal Antibody

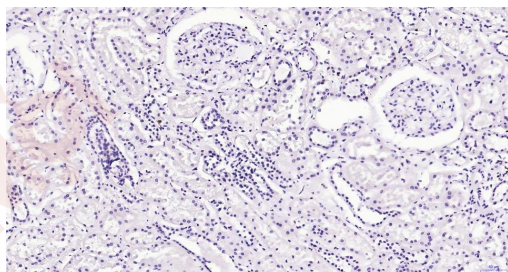
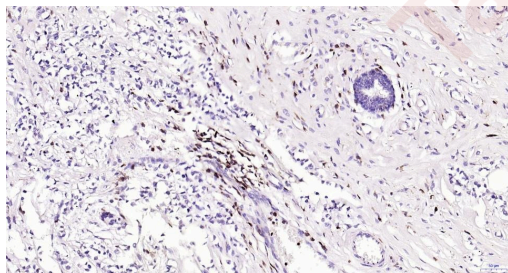
Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 143 kDa. Actual: 220 kDa.
Purification:	Protein A purified

Applications

1. 25 µg total protein per Lane of various lysates probed with CD45 polyclonal antibody, unconjugated (TMAB-00373) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
 2. Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 3. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 4. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 6. Paraformaldehyde-fixed, paraffin embedded Human Thymus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 7. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
 8. (Negative control) Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD45 Polyclonal Antibody, Unconjugated (TMAB-00373) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
- Verified Activity:





Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-800; IHC-Fr: 1:100-800; ICC/IF: 1:50-200; IF: 1:100-800

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD45

Antigen Species: Human

Gene ID: 5788

Uniprot ID: P08575

Synonyms: CD45;LCA;LY5;L-CA;EC 3.1.3.48;CD45R;T200;GP180;PTPRC;B220

Biology Area: Endothelial Cell Markers,CD,Regulatory T Cells,CD,Non-lineage,Microglia marker,Tyrosine Phosphatases,B Lymphocytic Lineage,NK Cell Lineage,T Lymphocytic Lineage,Dendritic Cell Lineage,Mast Cell Lineage,Monocytic Lineage,Neutrophil Lineage,Surface Molecules

Research 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, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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