

Anti-CD93 Antibody

Rabbit polyclonal antibody to CD93 Catalog # AP61542

Specification

Anti-CD93 Antibody - Product Information

Application WB
Primary Accession O9NPY3
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 68560

Anti-CD93 Antibody - Additional Information

Gene ID 22918

Other Names

C1QR1; MXRA4; Complement component C1q receptor; C1q/MBL/SPA receptor; C1qR; C1qR(p);

C1qRp; CDw93; Complement component 1 q subcomponent receptor 1;

Matrix-remodeling-associated protein 4; CD93

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD93. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/2000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD93 Antibody - Protein Information

Name CD93

Synonyms C1QR1, MXRA4

Function

Cell surface receptor that plays a role in various physiological processes including inflammation, phagocytosis, and cell adhesion. Plays a role in phagocytosis and enhances the uptake of apoptotic cells and immune complexes by acting as a receptor for defense collagens including surfactant protein A/SFTPA1, C1q, and mannose-binding lectin (MBL2) (PubMed:7977768/a>). Plays a role in



the regulation of endothelial cell function and adhesion by activating angiogenesis (PubMed:24809468). Mechanistically, exerts its angiogenic function by associating with beta-dystroglycan, leading to SRC- dependent phosphorylation and subsequent recruitment of CBL. In turn, CBL provides a docking site for downstream signaling components, such as CRKL to enhance cell migration (PubMed:26848865). Participates in angiogenesis also by acting as a receptor for the ECM pan-endothelial glycoprotein multimerin-2/MMRN2 and IGFBP7 ligands (PubMed:28671670, PubMed:36265539, PubMed:38218180). Both ligands play a non-redundant role in CD93-mediated endothelial cell function (PubMed:38218180). Acts as a key regulator of endothelial barrier function through modulating VEGFR2 function (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

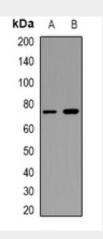
Highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. Not expressed in cells of lymphoid origin

Anti-CD93 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD93 Antibody - Images



Western blot analysis of CD93 expression in KB (A), THP1 (B) whole cell lysates.

Anti-CD93 Antibody - Background





KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD93. The exact sequence is proprietary.