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Anti-CD93 Antibody

Catalog # AP61542

Product Information

Application	WB
Primary Accession	Q9NPY3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68560

Additional Information

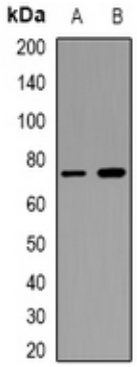
Gene ID	22918
Other Names	C1QR1; MXRA4; Complement component C1q receptor; C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; Complement component 1 q subcomponent receptor 1; Matrix-remodeling-associated protein 4; CD93
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within 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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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). 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

Images



Western blot analysis of CD93 expression in KB (A), THP1 (B) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 68 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.