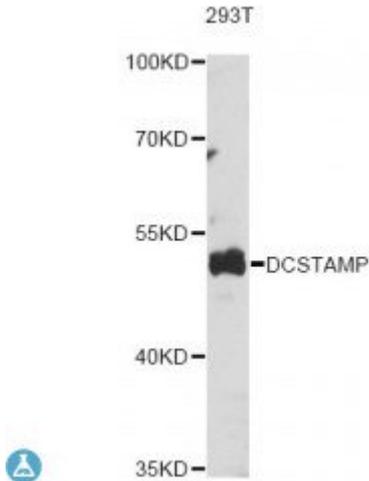


Anti-DCSTAMP Antibody



Description

This gene encodes a seven-pass transmembrane protein that is primarily expressed in dendritic cells. The encoded protein is involved in a range of immunological functions carried out by dendritic cells. This protein plays a role in osteoclastogenesis and myeloid differentiation. Alternate splicing results in multiple transcript variants.

Model	STJ116837
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 401-470 of human DCSTAMP (NP_110415.1).
Gene ID	81501
Gene Symbol	DCSTAMP
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Preferentially expressed by dendritic cells (DCs), Detected in both immature and mature DCs, Highly expressed in lymph nodes, lung, kidney and liver, Expressed at lower levels in pancreas, bone marrow, spleen, leukocytes, in freshly isolated peripheral blood mononuclear cells (PBMC) and B-cells, Not expressed in freshly isolated monocytes
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Dendritic cell-specific transmembrane protein DC-STAMP hDC-STAMP

Dendrocyte-expressed seven transmembrane protein IL-four-induced protein
FIND Transmembrane 7 superfamily member 4

Molecular Weight	53.393 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:18549 OMIM:605933 Reactome:R-HSA-8874211
Alternative Names	Dendritic cell-specific transmembrane protein DC-STAMP hDC-STAMP Dendrocyte-expressed seven transmembrane protein IL-four-induced protein FIND Transmembrane 7 superfamily member 4
Function	Probable cell surface receptor that plays several roles in cellular fusion, cell differentiation, bone and immune homeostasis, Plays a role in TNFSF11-mediated osteoclastogenesis, Cooperates with OCSTAMP in modulating cell-cell fusion in both osteoclasts and foreign body giant cells (FBGCs), Participates in osteoclast bone resorption, Involved in inducing the expression of tartrate-resistant acid phosphatase in osteoclast precursors, Plays a role in haematopoietic stem cell differentiation of bone marrow cells toward the myeloid lineage, Inhibits the development of neutrophilic granulocytes, Plays also a role in the regulation of dendritic cell (DC) antigen presentation activity by controlling phagocytic activity, Involved in the maintenance of immune self-tolerance and avoidance of autoimmune reactions
Cellular Localization	Cell membrane,
Post-translational Modifications	Glycosylated,