

CD6 Polyclonal Antibody

Catalog No :	YT5577
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	CD6
Fields :	>>Cell adhesion molecules
Gene Name :	CD6
Protein Name :	T-cell differentiation antigen CD6
Human Gene Id :	923
Human Swiss Prot No :	P30203
Mouse Swiss Prot No :	Q61003
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human CD6. AA range:361-410
Specificity :	CD6 Polyclonal Antibody detects endogenous levels of CD6 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 73kD

Cell Pathway : Cell adhesion molecules (CAMs);

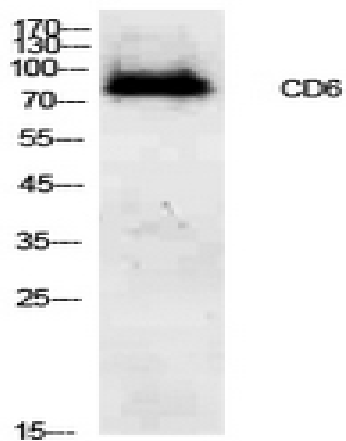
Background : This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

Function : function:Involved in cell adhesion. Binds to CD166.,PTM:After T-cell activation, becomes hyperphosphorylated on Ser and Thr residues and phosphorylated on Tyr residues.,PTM:Contains intrachain disulfide bond(s).,similarity:Contains 3 SRCR domains.,tissue specificity:Expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain.,

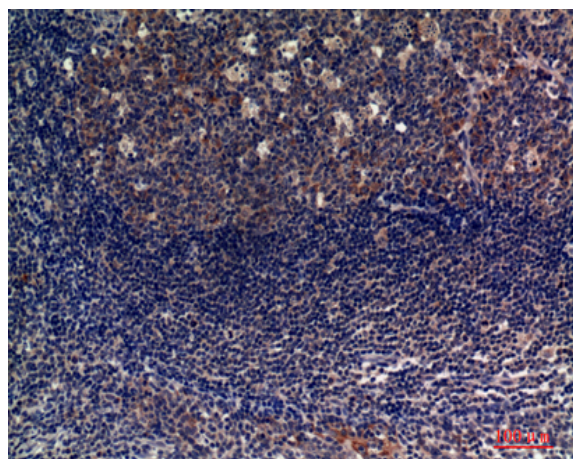
Subcellular Location : Cell membrane ; Single-pass type I membrane protein . Detected at the immunological synapse, i.e, at the contact zone between antigen-presenting dendritic cells and T-cells (PubMed:15294938, PubMed:16352806). Colocalizes with the TCR/CD3 complex at the immunological synapse (PubMed:15294938). .; [Soluble CD6]: Secreted . The origins of the secreted form are not clear, but it might be created by proteolytic shedding of the ectodomain. .

Expression : Detected on thymocytes (PubMed:15294938). Detected on peripheral blood T-cells (PubMed:15048703, PubMed:16352806). Detected on natural killer (NK) cells (PubMed:16352806). Soluble CD6 is detected in blood serum (at protein level) (PubMed:17601777). Detected in spleen, thymus, appendix, lymph node and peripheral blood leukocytes (PubMed:9013954). Expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain.

Products Images



Western Blot analysis of 293 cells using CD6 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human tonsils, antibody was diluted at 1:100