

Integrin αD Polyclonal Antibody

Catalog No :	YT5460
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	Integrin αD
Fields :	>>Regulation of actin cytoskeleton
Gene Name :	ITGAD
Protein Name :	Integrin alpha-D
Human Gene Id :	3681
Human Swiss Prot No :	Q13349
Mouse Swiss Prot No :	Q3V0T4
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human ITGAD. AA range:901-950
Specificity :	Integrin αD Polyclonal Antibody detects endogenous levels of Integrin αD 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: 1:20000.. 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 : 127kD

Cell Pathway : Regulates Actin and Cytoskeleton;

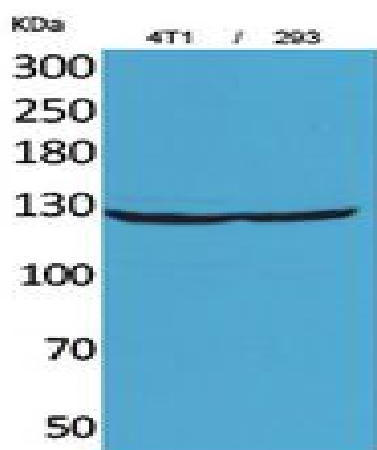
Background : integrin subunit alpha D(ITGAD) Homo sapiens This gene belongs to the beta-2 integrin family of membrane glycoproteins, which are composed of non-covalently linked alpha and beta subunits to form a heterodimer. It encodes the alpha subunit of the cell surface heterodimers and is involved in the activation and adhesion functions of leukocytes. The gene is located about 11kb downstream of the integrin subunit alpha X gene, another member of the integrin family. It is expressed in the tissue and circulating myeloid leukocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

Function : domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function:Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1. May play a role in the atherosclerotic process such as clearing lipoproteins from plaques and in phagocytosis of blood-borne pathogens, particulate matter, and senescent erythrocytes from the blood.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domain.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. Alpha-D associates with beta-2.,tissue specificity:Expressed moderately on myelomonocytic cell lines and subsets of peripheral blood leukocytes and strongly on tissue-specialized cells, including macrophages foam cells within atherosclerotic plaques, and on splenic red pulp macrophages.,

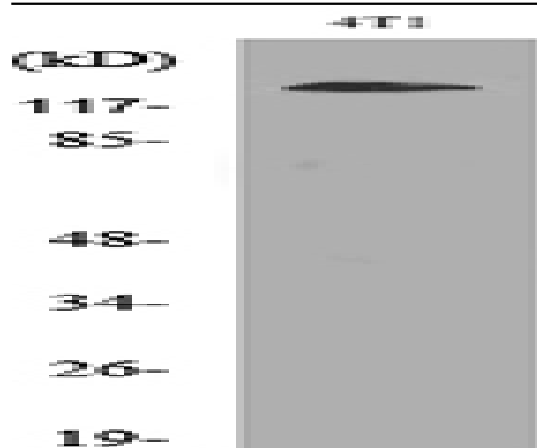
Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Expressed moderately on myelomonocytic cell lines and subsets of peripheral blood leukocytes and strongly on tissue-specialized cells, including macrophages foam cells within atherosclerotic plaques, and on splenic red pulp macrophages.

Products Images



Western Blot analysis of 4T1, 293 cells using Integrin αD Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from 4T1 cells, using ITGAD Antibody.