



Integrin β 2 (phospho Thr758) Polyclonal Antibody

Catalog No	YP-Ab-16913
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	ITGB2
Immunogen	The antiserum was produced against synthesized peptide derived from human CD18/ITGB2 around the phosphorylation site of Thr758. AA range:720-769
Specificity	Phospho-Integrin β 2 (T758) Polyclonal Antibody detects endogenous levels of Integrin β 2 protein only when phosphorylated at T758.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	beta1 integrin;CD29;Fibronectin receptor subunit beta;FNRB;Glycoprotein IIa; GP IIa;GPIIA;Integrin beta-1;Integrin subunit beta 1;integrin VLA-4 beta subunit; Integrin;beta 1 (fibronectin receptor;beta polypeptide;antigen CD29 includes MDF2;MSK12);ITB1_HUMAN;ITGB1;MDF2;MSK12;OTTHUMP1942;Very late activation protein;VLA BETA;VLA-4 subunit beta;VLA-BETA;VLAB;VLAbeta; Integrin β 2;ITGB2;Integrin beta-2;CD18;MFI7;Cell surface adhesion glycoproteins LFA-1/CR3/p150;95 subunit beta;Complement receptor C3 subunit beta;CD antigen CD18
Observed Band	170kD
Calculated Molecular Weight	170kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .
Tissue Specificity	Leukocytes (PubMed:23775590). Expressed in neutrophils (at protein level) (PubMed:21193407, PubMed:28807980).
Function	disease:Defects in ITGB2 are the cause of leukocyte adhesion deficiency type I (LAD1) [MIM:116920]. LAD1 patients have recurrent bacterial infections and their leukocytes are deficient in a wide range of adhesion-dependent functions.,

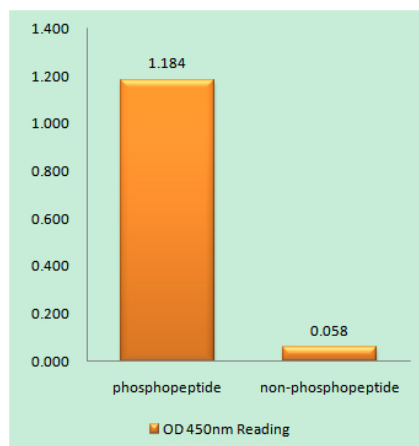


function: Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1.,online information:ITGB2 mutation db, PTM:Both Ser-745 and Ser-756 become phosphorylated when T-cells are exposed to phorbol esters. Phosphorylation on Thr-758 (but not on S

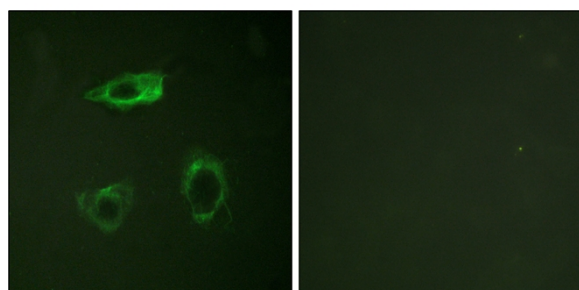
Background	This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



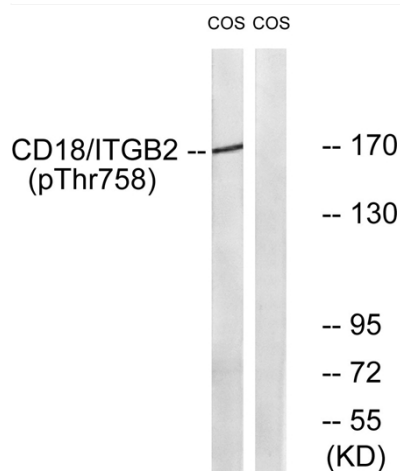
Products Images



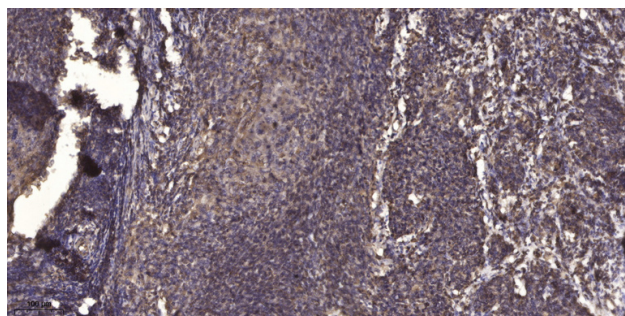
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CD18/ITGB2 (Phospho-Thr758) Antibody



Immunofluorescence analysis of HepG2 cells, using CD18/ITGB2 (Phospho-Thr758) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from COS7 cells treated with EGF 200ng/ml 30', using CD18/ITGB2 (Phospho-Thr758) Antibody. The lane on the right is blocked with the phosphopeptide.



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).