

Integrin β 1 (phospho Thr788) rabbit pAb

Cat No.:ES1338

For research use only

Overview

Product Name	Integrin β 1 (phospho Thr788) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Integrin beta1 around the phosphorylation site of Thr788. AA range:749-798
Specificity	Phospho-Integrin β 1 (T788) Polyclonal Antibody detects endogenous levels of Integrin β 1 protein only when phosphorylated at T788.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Integrin beta-1
Gene Name	ITGB1
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Cell projection, invadopodium membrane ; Single-pass type I membrane protein . Cell projection, ruffle membrane ; Single-pass type I membrane protein . Recycling endosome . Melanosome . Cleavage furrow . Cell projection, lamellipodium . Cell projection, ruffle . Cell junction, focal adhesion . Cell surface . Isoform 2 does not localize to focal adhesions. Highly enriched in stage I melanosomes. Located on plasma membrane of neuroblastoma NMB7 cells. In a lung cancer cell line, in prometaphase and metaphase, localizes diffusely at the membrane and in a few intracellular vesicles. In early telophase, detected mainly on the



Purification

Clonality

Concentration

Observed band

Human Gene ID

Human Swiss-Prot Number

Alternative Names

Background

matrix-facing side of the cells. By mid-telophase, concentrated to the ingressing cleavage furrow, mainly to the basa

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Polyclonal

1 mg/ml

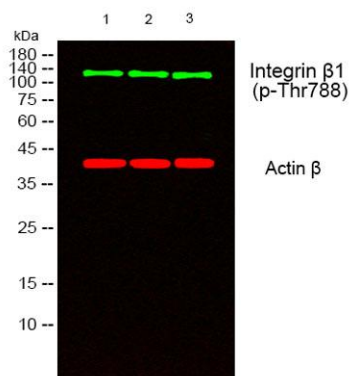
135kD

3688

P05556

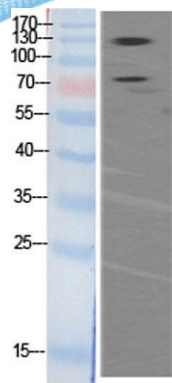
ITGB1; FNBR; MDF2; MSK12; Integrin beta-1; Fibronectin receptor subunit beta; VLA-4 subunit beta; CD antigen CD29

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008],



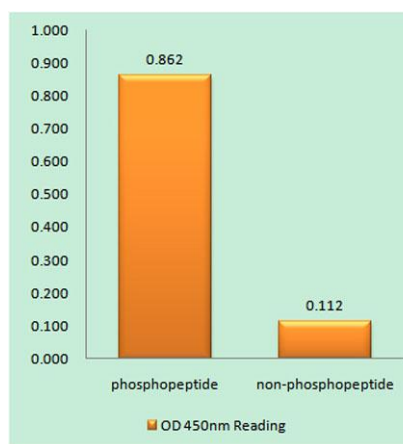
Western blot analysis of lysates from 1) HeLa, 2) 3T3, 3) Jurkat cells, (Green) primary antibody was diluted at 1:1000, 4° over night, secondary antibody (cat:RS23920) was diluted at 1:10000, 37° 1 hour. (Red) Actin β Monoclonal Antibody (5B7) (cat:YM3028) ant



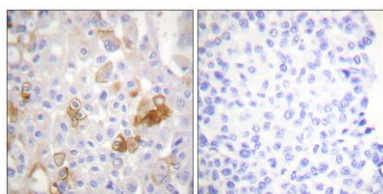


Integrin β 1 (p-T788)

Western Blot analysis of various cells using
Phospho-Integrin β 1 (T788) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for
Immunogen Phosphopeptide (Phospho-left) and
Non-Phosphopeptide (Phospho-right), using Integrin
beta1 (Phospho-Thr788) Antibody



Immunohistochemistry analysis of paraffin-embedded
human breast carcinoma, using Integrin beta1
(Phospho-Thr788) Antibody. The picture on the right is
blocked with the phospho peptide.

