

Integrin beta1 Antibody | anti-ITB1 antibody

Integrin beta1 (Phospho-Thr789) Antibody

CATALOG # AAA109319	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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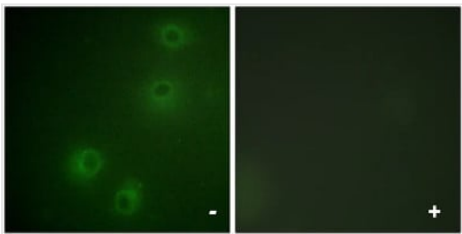
PRODUCT SYNONYMS

Integrin beta1; Integrin beta1 (Phospho-Thr789) Antibody; CD29; FNRR; Fibronectin receptor beta subunit; Integrin VLA-4 beta subunit; Integrin beta-1 precursor; integrin beta-1; anti-ITB1 antibody

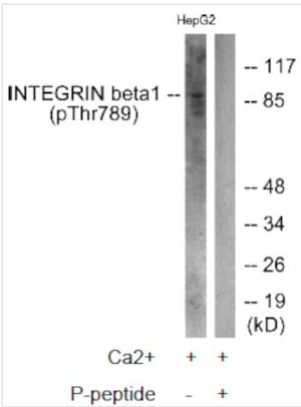
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Integrin β 1 (Phospho-Thr789) antibody detects endogenous levels of Integrin beta1 only when phosphorylated at threonine 789.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Length	798
Applicable Applications for anti-ITB1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Integrin beta1 around the phosphorylation site of threonine 789 (V-T-TP-V-V).
All Sites	Human: Tyr789 Mouse: Tyr789 Rat: Tyr790
Preparation and Storage	Store at -20°C for 1 year.

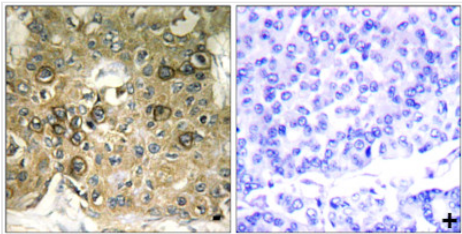
IMAGES



IF (Immunofluorescence)
P-peptide-+Immunofluorescence analysis of COS-7 cells, using Integrin β1 (Phospho-Tyr789) antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, treated with Ca2+ (40uM,30mins), using Integrin β1(Phospho-Thr789) antibody.



IHC (Immunohistochemistry)
P-peptide-+Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Integrin beta1 (Phospho-Thr789) antibody. Western blot analysis of extracts from HepG2 cells, treated with Ca2+ (40muM, 30mins), using Integrin beta1 (Phospho-Thr789) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ITB1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Argraves W.S., J. Cell Biol. 105:1183-1190(1987). Balzac F., J. Cell Biol. 121:171-178(1993). Balzac F., J. Cell Biol. 127:557-565(1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NM_002211.3
UniProt Accession #	P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5
NCBI Official Full Name	integrin beta-1 isoform 1A
NCBI Official Synonym Full Names	integrin subunit beta 1
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1
UniProt Protein Name	Integrin beta-1

UniProt Gene Name	ITGB1
UniProt Synonym Gene Names	FNRB; MDF2; MSK12; GPIIA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/itb1-human-mouse-rat-antibody/integrin-beta1/109319>