

Anti-Integrin beta 1 ITGB1 Rabbit Monoclonal Antibody

Catalog Number: M00772-2

About ITGB1

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

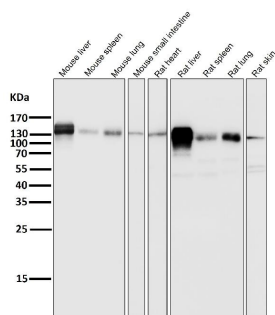
Product Name	Anti-Integrin beta 1 ITGB1 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Integrin beta 1 ITGB1 Rabbit Monoclonal Antibody catalog # M00772-2. Tested in WB, IHC applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Monoclonal AFI-9
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05556

Technical Details

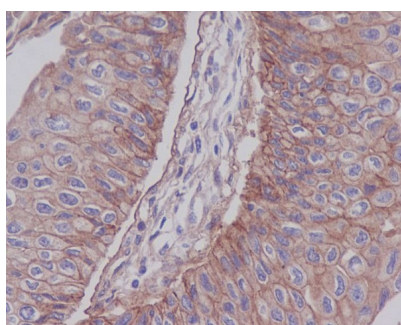
Immunogen	A synthesized peptide derived from human Integrin beta 1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200
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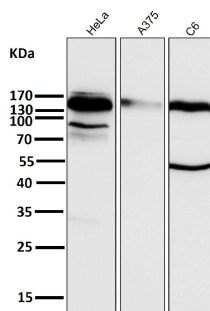
Anti-Integrin beta 1 ITGB1 Rabbit Monoclonal Antibody (M00772-2) Images



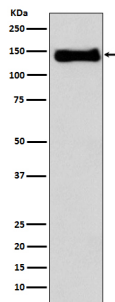
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human bladder carcinoma, using Integrin beta 1 Antibody.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of using Integrin beta1 expression in U937 cell lysate.

3 Publications Citing This Product

1. PubMed ID: 26616638, Isolation and morphological characterization of ovine amniotic fluid mesenchymal stem cells
2. PubMed ID: 26956998, Suppression of A549 cell proliferation and metastasis by calycosin via inhibition of the PKC- γ /ERK1/2 pathway: An in vitro investigation

3. PubMed ID: 26986690, Abnormalities in the basement membrane structure promote basal keratinocytes in the epidermis of hypertrophic scars to adopt a proliferative phenotype

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