Anti-Integrin β1 (Phospho-Thr789) Polyclonal Antibody

Catalog No.	Size
A100069-01	50 µl
A100069-02	100 µl

Specificity	Anti-Integrin β1 (Phospho-Thr789) (Human Mouse Rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Specificity and Sensitivity

Swiss-Prot No.: P05556

Other Names: CD29, FNRB, Fibronectin receptor beta subunit, ITB1, Integrin VLA-4 beta subunit, Integrin beta-1 precursor, integrin beta-1

Specificity and Sensitivity

Integrin β1 (Phospho-Thr789) antibody detects endogenous levels of Integrin β1 only when phosphorylated at threonine 789.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human Integrin β1 around the phosphorylation site of threonine 789 (V-T-T^{P}-V-V).

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

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100

IF: 1:100~1:500 ELISA: 1:1000

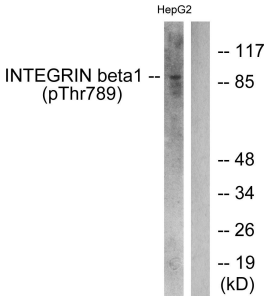
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

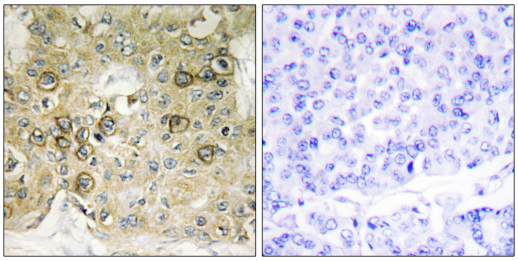
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



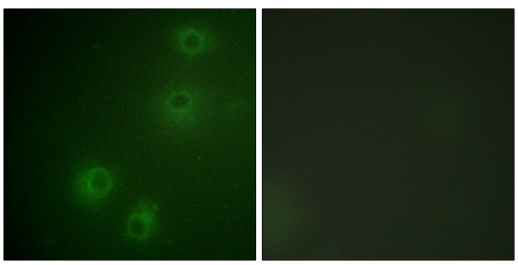
P-peptide - +

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



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Integrin β1 (Phospho-Thr789) antibody.



P-peptide - +

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

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