Integrin β3 (Phospho-Tyr773) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43060

Format: 100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

The Integrin β3 (ITGB3) gene encodes glycoprotein IIIa (GP IIIa), the beta subunit of the platelet membrane adhesive protein receptor complex GP IIb/IIIa. The alpha subunit, GP IIb, is encoded by the ITGA2B gene. The GP IIb/IIIa complex belongs to the integrin class of cell adhesion molecule receptors that share a common heterodimeric structure with alpha and beta subunits. Glycoprotein IIIa is also the beta subunit of 2 other integrins, fibronectin receptor and vitronectin receptor which have distinctive alpha subunits.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of tyrosine 773 (P-L-Y(p)-K-E) derived from human Integrin β3.

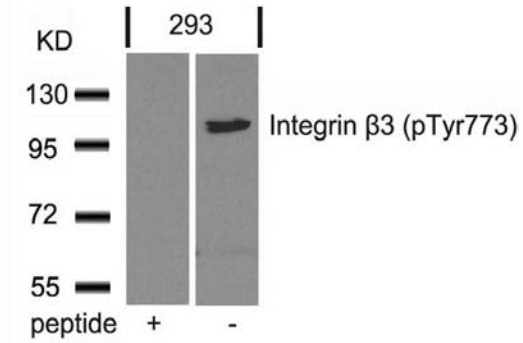
Host Species: Rabbit

Accession no.: P05106, NP_000203.2

Specificity: This antibody detects endogenous human, mouse, and rat Integrin β3 only when phosphorylated at tyrosine 773.

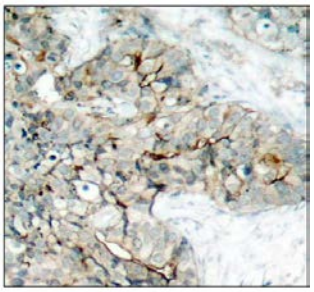
APPLICATIONS

Immunoblotting: use at dilution of 1:500-1:1,000. A band of ~110kDa is detected.



Detection of Integrin β3 (phospho-Tyr773) in extracts of 293 cells along with the same antibody preincubated with blocking peptide.

Immunohistochemistry: use at dilution of 1:50-1:100.



Detection of Integrin β3 (phospho-Tyr773) in paraffin-embedded human breast carcinoma tissue.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.

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