E90943

ITGB3 Polyclonal Antibody

Catalog Number: E90943
Amount: 100ul
Background: Integrins are heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18 α and 8 β subunits that form 24 known integrins with distinct tissue distribution and overlaping ligand specificities (3). Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling) (1,2). αIIβ3 and αVβ3 are the two β3 containing integrins which are prominently expressed in hematopoietic cells and angiogenic endothelic cells and perform adhesive functions in hemostasis, wound healing and angiogenesis (1,4). Tyr773 and Tyr785 (usually referred to as Tyr747 and Tyr759 based on the chicken sequence) are phosphorylated upon ligand binding (5). Phosphorylation of these tyrosine residues is required for certain ligand-induced signaling (6). Thr779 (corresponding to Thr753 of the chicken sequence) of integrin β3 in the platelet specific αIIβ3 is phosphorylated by PKD and/or Akt, which may modulate integrin association with other signaling molecules (7).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: CD61; GP3A; GPIIIa;ITGB3;
Immunogen: A synthetic peptideof human ITGB3
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 87kDa
Swiss-Prot No. : P05106
Gene ID: 3690
References: 1. Liu, S. et al. (2000) J. Cell Sci. 113, 3563-3571. 2. Hood, J.D. and Cheresh, D.A. (2002) Nat. Rev. Cancer 2, 91-100. 3. van der Flier, A. and Sonnenberg, A. (2001) Cell Tissue Res. 305, 285-298. 4. Shattil, S.J. et al. (1995) Thromb. Haemost. 74, 149-155. 5. Blystone, S.D. (2002) J. Biol. Chem. 277, 46886-46890. 6. Butler, B. et al. (2003) J. Biol. Chem. 278, 5264-5270. 7. Kirk, R.I. et al. (2000) J. BIol. Chem. 275, 30901-30906.

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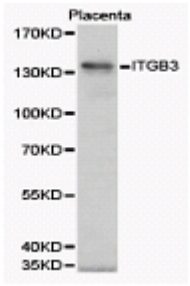
WB 1:500 - 1:1000

IHC 1:50- 1:100



Western blot analysis of extracts of Placentacell line, using ITGB3 antibody.

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