TIE-1 Antibody

E80804-11

Product Type: Rabbit Polyclonal IgG, primary antibodies
Catalog Number: E80804-11
Amount: 100ul 0.46mg/ml
Positive control: K562
Project ID: R080417
Molecular Wt.: 125kDa
Cellular Localization: Cell Membrane
Form of Antibody: Liquid
Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Description: The Tie-1 receptor is an endothelial specific cell surface tyrosine kinase that is indispensable for endothelial functions. Human TIE1 cDNA encodes a 1138 amino acid residue precursor protein with a putative signal peptide, an extracellular domain, and a cytoplasmic domain. Human TIE1/Fc, a disulfide linked homodimeric protein, has a calculated molecular mass of approximately 107 kDa. Tie-1 and Tie-2 are receptor tyrosine kinases (RTKs) that are exclusively expressed in endothelial cells and play important roles in endothelial cell biology.
Storage/Stability: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity: Affinity purified
Recommended Dilutions: WB: 1:5,000
Specificity/Sensitivity: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of N-terminal residues of Tie-1.
Reactivity: Mouse,Rat,Human
Applications: WB,ICC
Swiss-Prot No. : SwissProt P35590
References:

1. PuriMC, Rossant J,Alitalo K,et al.The receptor tyrosine kinase Tie is required for integrity and survival of Vascular endothelial cells[J].EMBO J, 1995, 14(5): 5884-5891.
2. Partanen J., Armstrong E. et al. "A novel endothelial cell surface receptor tyrosine kinase with extracellular epidermal growth factor homology domains." Mol. Cell. Biol. 12:1698-1707(1992).
3. The MGC Project Team; "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)." Genome Res. 14:2121-2127(2004).

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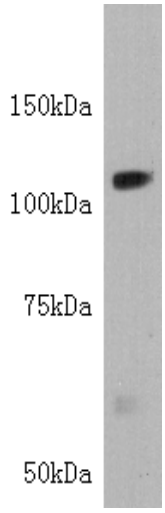

Fig: Western blot analysis on K562 cell lysates using anti-Tie1 polyclonal antibody