

## Tie-2 (phospho-Y1108) polyclonal antibody

Catalog: BS4881

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Receptor tyrosine kinases play key roles in signal transduction across cell surfaces in biological systems, including the vascular system. These receptors comprise a large and diverse family of catalytically related proteins that, on the basis of sequence and structural similarities, can be divided into several different evolutionary sub-families. The cloning and characterization of Tie-1 (also designated Tie), a novel human endothelial cell surface receptor tyrosine kinase, has been reported. The extracellular domain of the predicted Tie-1 protein product has an unusual multidomain structure consisting of a cluster of three epidermal growth factor homology motifs localized between two immunoglobulin-like loops, which are followed by three fibronectin type III repeats next to the transmembrane region. An additional member of this family has been identified as Tie-2 (also designated Tek). Tie-1 and Tie-2 have been shown to be encoded by distinct genes and to represent members of a new class of receptor tyrosine kinases.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 160 kDa

### Swiss-Prot:

Q02763

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

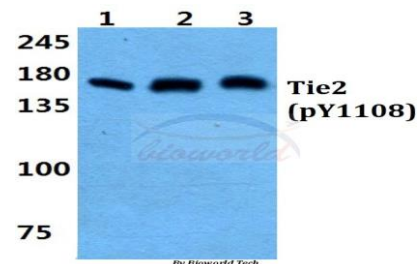
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-Tie-2 (Y1108) polyclonal antibody detects endogenous levels of Tie-2 protein when phosphorylated at Tyr1108.

### DATA:



Western blot (WB) analysis of p-Tie-2 (Y1108) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate treated with PMA(100nM,15mins)

Lane2:Mouse brain tissue lysate

Lane3:Rat brain tissue lysate

### Note:

For research use only, not for use in diagnostic procedure.

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