

Anti-TIE1 Antibody (6A314)

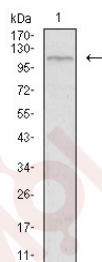
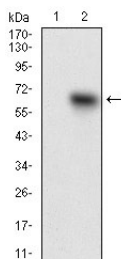
Product Details

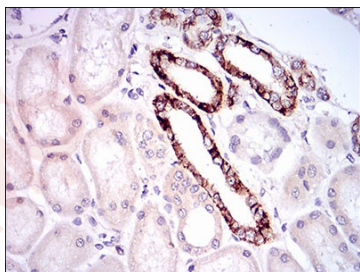
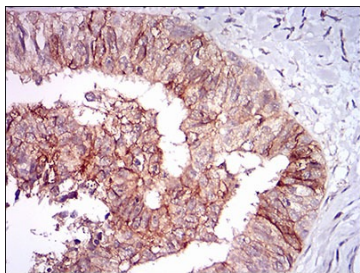
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 125 kDa.
Clone:	6A314
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of TIE1 on human TIE1 recombinant protein using anti-TIE1 antibody at 1/1,000 dilution.
2. Western blot analysis of TIE1 on HEK293 (1) and RAN-hlgGfc transfected HEK293 (2) cell lysate using anti-TIE1 antibody at 1/1,000 dilution.
3. Western blot analysis of TIE1 on HepG2 cell lysate using anti-TIE1 antibody at 1/1,000 dilution.
4. Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-CD68 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD68 antibody. Counter stained with hematoxylin.





Application: IHC,WB

Recommended WB: 1:500-2000; IHC: 1:200-1000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P35590

Synonyms: tyrosine kinase with immunoglobulin-like and EGF-like domains 1;TIE;JTK14

Research 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 subfamilies. 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.

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481