

Anti-TIE2 Polyclonal Antibody

Product Details

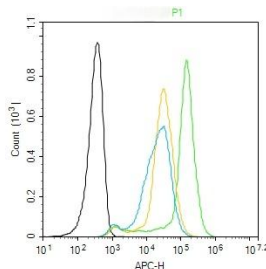
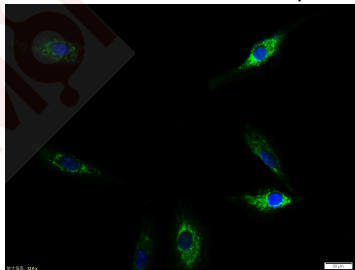
Ig Type: IgG
Reactivity: Human (predicted:Mouse,Rat,Pig,Cow,Horse)
Molecular Weight: Theoretical: 124 kDa.
Purification: Protein A purified

Applications

1. Tissue/cell: A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (TIE2) polyclonal Antibody, Unconjugated (TMAB-01839) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

Verified Activity:

2. Blank control (Black line): HUVEC (Black). Primary Antibody (green line): Rabbit Anti-TIE2 antibody (TMAB-01839) Dilution: 1 µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1 µg/test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.



Application: FCM,ICC/IF
Recommended: FCM=3 µg/Test; ICC/IF=1:100-500

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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: KLH conjugated synthetic peptide: human Tie2

Antigen Species: Human

Gene ID: 7010

Uniprot ID: Q02763

Synonyms: Tie-2;Cd202b;Hyk;AA517024;STK1;TEK tyrosine kinase, endothelial;Tie2

Biology Area: Endothelial Markers, Receptor Tyrosine Kinases, Angiogenesis and vasculogenesis, Endothelium, Endothelial Cells, Endothelial Cell Markers, Growth factor receptors

Research Background

The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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