

Anti-ANGPT2/Angiopoietin-2 Antibody (6U152)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6U152
Purification:	Affinity-chromatography

Applications

1. IHC image of TMAH-00059 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

2. IHC image of TMAH-00059 diluted at 1:50 and staining in paraffin-embedded human Liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody

3. Western Blot

Verified Activity: -Positive WB detected in: Hela whole cell lysate(30µg), K562 whole cell lysate(30µg), U251 whole cell lysate(30µg), Mouse Heart tissue lysate(30µg), Mouse Brain tissue lysate(30µg), Rat Heart tissue lysate(30µg), Rat Brain tissue lysate(30µg)
-All lanes: ANGPT2 antibody at 1:1000
-Secondary: Goat polyclonal to rabbit IgG at 1/20000 dilution
-Predicted band size: 57 kDa
-Observed band size: 57 kDa
-Exposure time: 120s

4. IHC image of TMAH-00059 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody

A DRUG SCREENING EXPERT

Application: ELISA, IHC
Recommended IHC: 1:50-1:200.

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: A synthetic peptide: Human Angiopoietin 2
Antigen Species: Human
Gene ID: 285
Uniprot ID: O15123
Synonyms: angiopoitin 2; angiopoietin-2B; AGPT2; ANG2; ANG-2; angiopoietin 2; ANGPT2; Tie2-ligand; Angiopoietin-2; angiopoietin-2a
Biology Area: Cardiovascular

Research Background

Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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