

Anti-ANGPT2/Angiopoietin-2 Antibody (6W480)

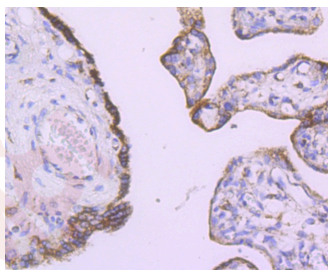
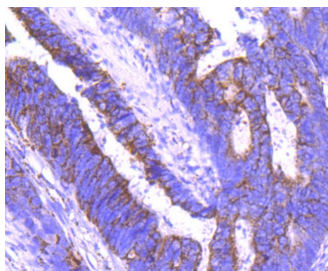
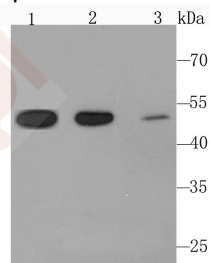
Product Details

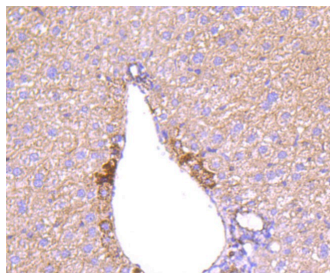
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 50 kDa.
Clone:	6W480
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Angiopoietin 2 on different cell lysate using anti-Angiopoietin 2 antibody at 1/1,000 dilution. Positive control:Lane1: TF-1, Lane2: Human liver tissue, Lane3: Human placenta tissue.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.





Application: IHC,WB

Recommended WB: 1:500-2000; IHC: 1:50-200

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: Recombinant Protein

Uniprot ID: O15123

Synonyms: ANG2;angiopoitin 2;angiopoietin-2B;angiopoietin-2a;angiopoietin 2;Tie2-ligand;ANG-2;ANGPT2;Angiopoietin-2;AGPT2

Research Background

Tie-1 and Tie-2 (also designated Tek) are novel cell surface receptor tyrosine kinases. The extracellular domain of Tie-1 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. Angiopoietin-1 (Ang-1) is a secreted ligand for Tie-2. Preliminary biochemical analyses of Ang-1 reveal a potential fibrinogen-like domain at the carboxy terminus and coiled-coil regions in the amino terminus. Ang-1 is an angiogenic factor that is thought to be involved in endothelial development. A related protein, angiopoietin-2 (Ang-2), has been identified as a naturally occurring antagonist of Ang-1 activation of Tie-2. In adult tissue, Ang-2 expression seems to be restricted to sites of vascular remodeling.

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