Product Datasheet

Angiopoietin 2 Rabbit mAb

Catalog No: #49649

Package Size: #49649-1 50ul #49649-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

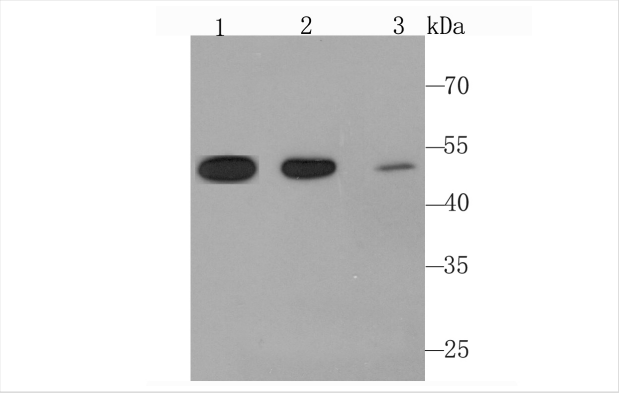
Description

Product Name	Angiopoietin 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM71-34
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AGPT 2 antibody Agpt2 antibody ANG 2 antibody ANG-2 antibody ANG2 antibody Angiopoietin 2a antibody Angiopoietin 2B antibody Angiopoietin-2 antibody Angiopoietin2 antibody ANGP2_HUMAN antibody ANGPT 2 antibody Angpt2 antibody Tie2 ligand antibody
Accession No.	Swiss-Prot#:O15123
Uniprot	O15123
GeneID	285;
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

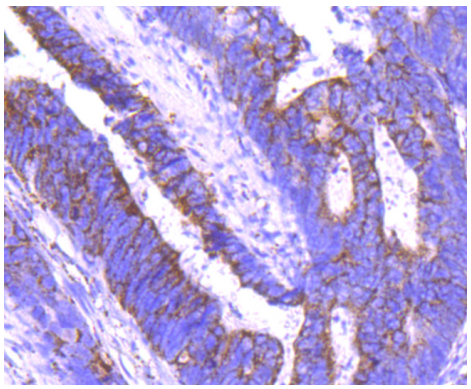
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

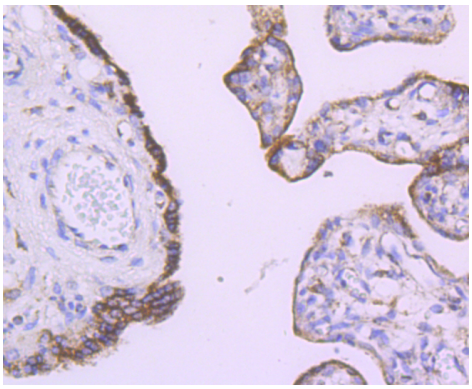
Images



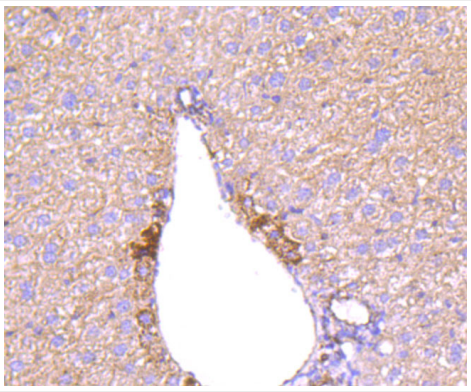
Western blot analysis of Angiopoietin 2 on different cell lysate using anti-Angiopoietin 2 antibody at 1/1,000 dilution. Positive controlοΩ½οΩ½
Lane1: TF-1
Lane2: Human liver tissue
Lane3: Human placenta tissue



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.

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.

References

Note: This product is for in vitro research use only