Angiopoietin-2 Antibody

Catalog No: #48274

Package Size: #48274-1 50ul #48274-2 100ul



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

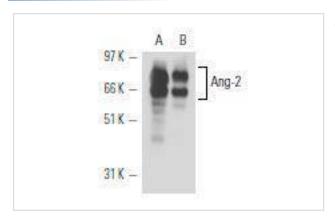
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Product Name	Angiopoietin-2 Antibody	
Host Species	Mouse	
Clonality	Monoclonal	
Clone No.	4A2	
Purification	ProA affinity purified	
Applications	WB, IP, IF, IHC	
Species Reactivity	Hu, Ms, Rt	
Immunogen Description	peptide	
Other Names	AGPT 2 antibody 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	62-70kDa	
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.	
Storage	Store at -20°C	

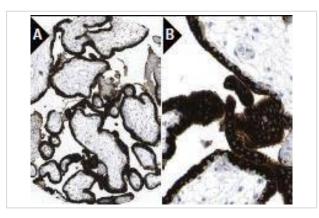
Application Details

WB: 1:100-1:1,000IHC: 1:50-500IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Images



Western Blot analysis of Ang-2 expression in HUV-EC-C (A) and TF-1 (B) whole cell lysates.



Immunoperoxidase staining of formalin fixed, paraffin-embedded human placenta tissue showing cytoplasmic staining of trophoblastic cells at low (A) and high (B) magnification.

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