Angiopoietin-2 Antibody

Catalog No: #48274

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

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

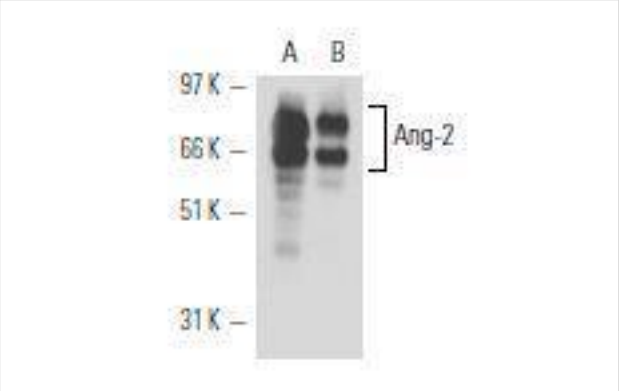
Description

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

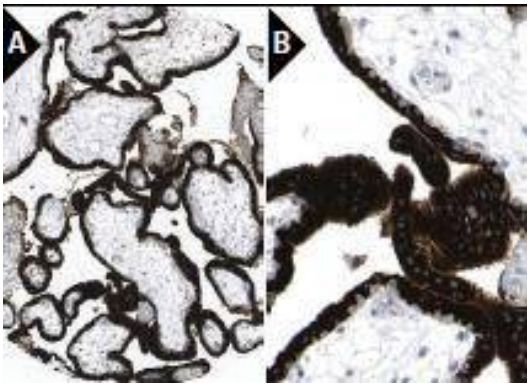
Application Details

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