

Angiopoietin-2 Antibody

Catalog No: #48274

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



SAB[®]

Signalway Antibody

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Support: tech@signalwayantibody.com

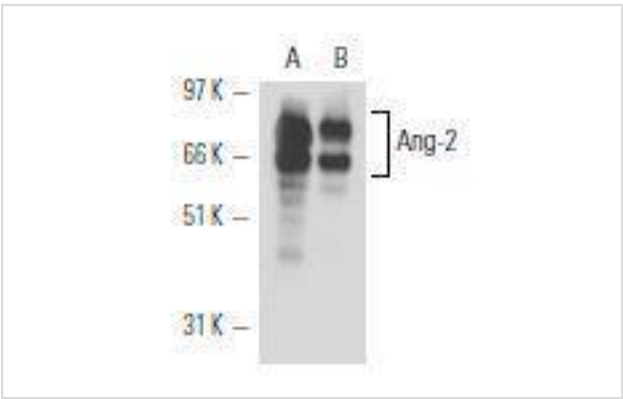
Description

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
Conjugates	Unconjugated
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
Calculated MW	62-70kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

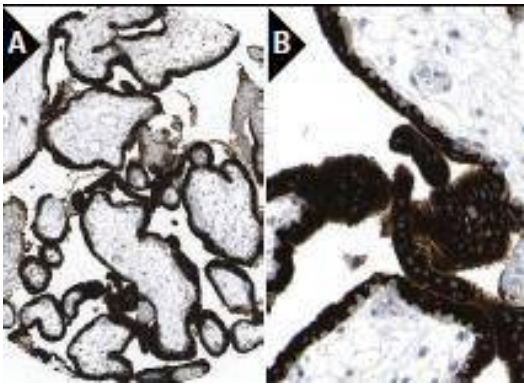
Application Details

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 and is not intended for use in humans or animals.