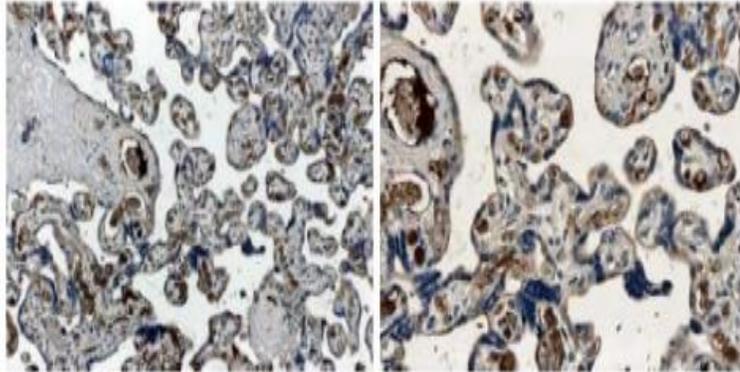


ANGPT1

Mouse Anti-Human Angiopoietin-1 (Clone 26B10) mAb

Catalog No.	CMA104	Quantity:	100 µg
Alternate Names:	Angiopoietin-1, ANG-1		
Description:	<p>Angiopoietin1 (Ang1) and Angiopoietin2 (Ang2) are two closely related secreted ligands which bind with similar affinity to Tie2, a receptor tyrosine kinase with immunoglobulin and epidermal growth factor homology domains expressed primarily on endothelial cells and early hematopoietic cells. Tie2 and angiopoietins have been shown to play critical roles in embryogenic angiogenesis and in maintaining the integrity of the adult vasculature. Ang1 cDNA encodes a 498 amino acid (aa) residue precursor protein that contains a coiledcoiled domain near the aminotermminus and a fibrinogen like domain at the Cterminus. Human Ang 1 shares approximately 97% and 60% aa sequence identity with mouse Ang1 and human Ang2, respectively. Ang1 activates Tie2 signaling on endothelial cells to promote chemotaxis, cell survival, cell sprouting, vessel growth and stabilization. Ang2 has alternatively been reported to be an antagonist for Ang1 induced Tie2 signaling as well as an agonist for Tie2 signaling, depending on the cell context.</p>		
UniProt ID:	Q15389		
Gene ID:	284		
Specificity:	Recognizes human ANGPT1		
Immunogen:	Recombinant human ANGPT1		
Isotype:	Mouse IgG2		
Clone:	26B10		
Formulation:	Lyophilized from sterile-filtered PBS.		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add 0.2 ml sterile-filtered PBS to the vial to fully solubilize the antibody for a final concentration of 0.5 mg/ml.		
Cross-Reactivity:	No reactivity with human Ang2 in western blot. Cross reactivity to other species of Ang1 has not been tested.		
Applications:	Western blot, immunohistochemistry		
Storage & Stability:	Store as supplied for up to 1 year at -20°C to -80°C. Reconstituted antibody is stable for at least six months in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

Human placenta, IHC with formalin, paraffin



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com