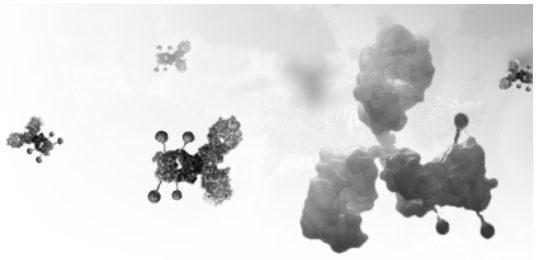

Anti-Angiogenin monoclonal antibody, clone MANG-1 (CABT-49293MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human Angiogenin anibody, clone MANG-1 is a monoclonal antibody specific for angiogenin, a potent angiogenesis inducing polypeptide of approximately 16.5kDa responsible for inducing vascularization in both normal and malignant tissues through activation of vascular endothelium and smooth muscle cells ant triggering a number of processes including Cell migration and proliferation Angiogenin, also known as ribonuclease 5 demonstrates tRNA specific ribonuclease activity, this in turn is regulated by binding to the ribonuclease inhibitor RNH1. Angiogenin exerts its vascular stimulation potential through binding to cytoplasmic actin on the surface of endothelial cells, followed by endocytosis and subsequent translocation to the nucleus Mouse anti Angiogenin, clone MANG1 stains single cells on human tonsil sections and endothelial cells in human terminal placenta. MANG-1 also demonstrates intense staining on carcinoma cells and of endothelial cells in intratumoral vessels.
Specificity	ANGIOGENIN
Immunogen	Recombinant human angiogenin
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	MANG-1
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IHC-P
Format	Tissue Culture Supernatant - lyophilised

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Size	150 µg
Preservative	None
Storage	Prior to reconstitution store at +4°C. After reconstitution store at +4°C or at -20°C if preferred. in frost-free freezers is not recommended.

GENE INFORMATION

Gene Name	MARK2 MAP/microtubule affinity-regulating kinase 2 [Homo sapiens (human)]
Official Symbol	MARK2
Synonyms	MARK2; MAP/microtubule affinity-regulating kinase 2; EMK1; EMK-1; PAR-1; Par1b; Par-1b; serine/threonine-protein kinase MARK2; PAR1 homolog b; ELKL motif kinase 1; Ser/Thr protein kinase PAR-1B; serine/threonine protein kinase EMK; ANGIOGENIN;
Entrez Gene ID	2011
Protein Refseq	NP_001034558
Chromosome Location	11q13.1
Pathway	LKB1 signaling events; Notch signaling pathway; Regulation of Microtubule Cytoskeleton; TNF-alpha/NF-kB Signaling Pathway; Wnt Signaling Pathway NetPath;
Function	ATP binding; lipid binding; magnesium ion binding; poly(A) RNA binding; protein binding; protein kinase activator activity; protein serine/threonine kinase activity; tau-protein kinase activity;

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