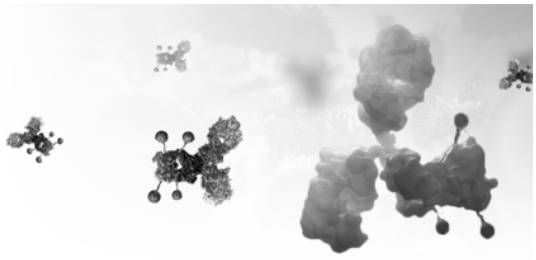

Rabbit Anti-Human MDK monoclonal antibody, clone KG107-6 (CABT-L886)

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

PRODUCT INFORMATION

Target	Midkine
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KG107-6
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	16 kDa
Cellular Localization	Secreted.
Positive Control	Human liver cancer tissue, human pancreas tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Midkine, or MK, is a heparin-binding molecule involved in the regulation of growth and differentiation during embryogenesis. MK expression is tightly regulated during embryonic development by steroid receptors of the retinoic acid superfamily. The mature human MK protein is 118 amino acids in length and contains five intrachain disulfide bonds. MK is a non-glycosylated protein that shows greater than 87% identity between human and mouse. The carboxy-terminus of MK contains the principle heparin-binding site and the molecule's neurite-promoting sequences; both the amino- and carboxy-terminal sequences are required for the molecule's neurotrophic properties. An association between overexpression of MK and colon adenocarcinoma has been shown in families suffering from familial polyposis. In addition, MK functions to enhance the activity of plasminogen activator (PA).
Keywords	Amphiregulin associated protein;Amphiregulin-associated protein;ARAP;FLJ27379;Mdk;Midgestation and kidney protein;Midkine;MK 1;MK;MK_HUMAN;MK1;NEGF 2;NEGF2;Neurite growth promoting factor 2;Neurite outgrowth promoting protein;Neurite outgrowth-promoting factor 2;Neurite outgrowth-promoting protein;Retinoic acid inducible factor antibody

GENE INFORMATION

Entrez Gene ID	4192
UniProt ID	P21741

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