

Product Datasheet

Midkine Antibody

Catalog No: CY5553

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



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Information

UniProt ID: P21741

All Names: MDK;FLJ27379;MK1;NEGF2; Midkine; NEGF2; ARAP;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 16 kDa

Application

WB: 1:500~1:2000

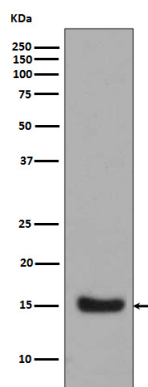
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

IP: 1:30

Background

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).



Western blot analysis of Midkine expression in Midkine Recombinant protein.

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