

MDK

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 16kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human MDK

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

MDK; FLJ27379; MK; NEGF2 ;

Catalog #: A0251

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4192

Isotype: IgG

Swiss Prot: P21741

Purity: Affinity purification

For research use only.

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 molecules neurite-promoting sequences; both the amino- and carboxy-terminal sequences are required for the molecules 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).

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