

## ARG56703 anti-Midkine antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Midkine
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Midkine
Species	Human
Immunogen	E.coli derived Recombinant Human Midkine. (VAKKKDKVKK GPGSECAEW AWGPCTPSSK DCGVGFREGT CGAQTQRIRC RVPCNWKKEF GADCKYKFEN WGACDGGTGT KVRQGLTKKA RYNAQCQETI RVTKPCTPKT KAKAKAKKGK GKD)
Conjugation	Un-conjugated
Alternate Names	ARAP; Neurite outgrowth-promoting protein; Midkine; MK; Neurite outgrowth-promoting factor 2; Amphiregulin-associated protein; Midgestation and kidney protein; NRG2

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56812 as a detection antibody
	IHC-P	2.5 µg/ml
	WB	0.1 - 0.2 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

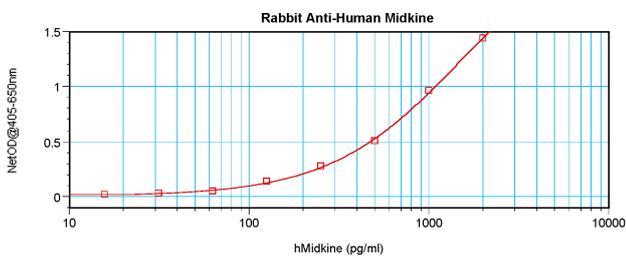
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 17242 Mouse</a> <a href="#">GeneID: 4192 Human</a> <a href="#">Swiss-port # P12025 Mouse</a> <a href="#">Swiss-port # P21741 Human</a>
Gene Symbol	MDK
Gene Full Name	midkine (neurite growth-promoting factor 2)
Background	This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]
Function	Developmentally regulated, secreted growth factor homologous to pleiotrophin (PTN), which has heparin binding activity. Binds anaplastic lymphoma kinase (ALK) which induces ALK activation and subsequent phosphorylation of the insulin receptor substrate (IRS1), followed by the activation of mitogen-activated protein kinase (MAPK) and PI3-kinase, and the induction of cell proliferation. Involved in neointima formation after arterial injury, possibly by mediating leukocyte recruitment. Also involved in early fetal adrenal gland development (By similarity). [UniProt]
Calculated Mw	16 kDa

## Images



ARG56703 anti-Midkine antibody standard curve image

Sandwich ELISA: ARG56703 anti-Midkine antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56812 anti-Midkine antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.