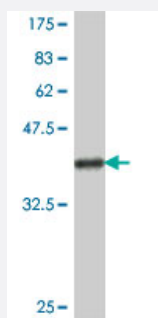


HGF polyclonal antibody (A01)

Catalog # H00003082-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant HGF.
Immunogen	HGF (NP_000592, 619 a.a. ~ 728 a.a) partial recombinant protein with GST tag.
Sequence	YTGLINYDGLLRVAHLYIMGNEKCSQHHRGKVTLNESEICAGAEKIGSGPCEGDYGGPLVCEQHKM RMVLGVVPGRGCAIPNRPGIFVRVAYYAKWIKIILTYKVPQS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HGF

Entrez GeneID [3082](#)

GeneBank Accession# [NM_000601](#)

Protein Accession# [NP_000592](#)

Gene Name HGF

Gene Alias F-TCF, HGFB, HPTA, SF

Gene Description hepatocyte growth factor (hepatopoietin A; scatter factor)

Omim ID [142409](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

fibroblast-derived tumor cytotoxic factor|hepatocyte growth factor|hepatopoietin A|lung fibroblast-derived mitogen|scatter factor

Publication Reference

- [Analysis of growth factor expression in affected and unaffected muscles of oculo-pharyngeal muscular dystrophy \(OPMD\) patients: A pilot study.](#)

Bouazza B, Kratassiouk G, Gjata B, Perie S, Guily JL, Butler-Browne GS, Svinartchouk F.

Neuromuscular Disorders 2009 Mar; 19(3):199.

Application: IHC, Human, Muscle

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Myopia](#)
- [Obesity](#)
- [Vitiligo](#)