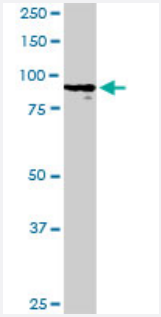
MaxPab®

HGF purified MaxPab rabbit polyclonal antibody (D01P)

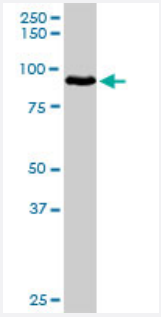
Catalog # H00003082-D01P Size 100 ug

Applications



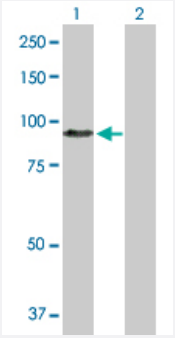
Western Blot (Tissue lysate)

HGF MaxPab rabbit polyclonal antibody. Western Blot analysis of HGF expression in mouse testis.



Western Blot (Cell lysate)

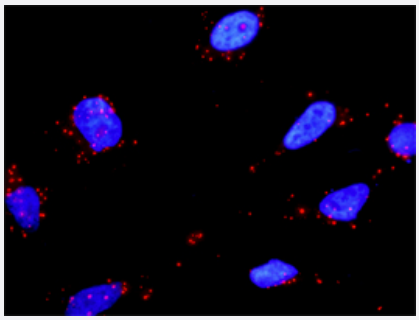
HGF MaxPab rabbit polyclonal antibody. Western Blot analysis of HGF expression in Raw 264.7.



Western Blot (Transfected lysate)

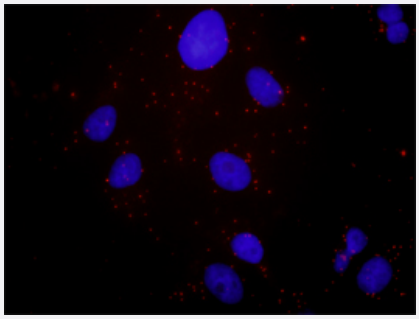
Western Blot analysis of HGF expression in transfected 293T cell line (H00003082-T02) by HGF MaxPab polyclonal antibody.

Lane 1: HGF transfected lysate(83.10 KDa).
Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between HGF and FN1. HeLa cells were stained with anti-HGF rabbit purified polyclonal 1:1200 and anti-FN1 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between HGF and MET. Mahlavu cells were stained with anti-HGF rabbit purified polyclonal 1:1200 and anti-MET mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human HGF protein.
Immunogen	HGF (NP_000592.3, 1 a.a. ~ 728 a.a) full-length human protein.
Sequence	MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGQRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQ CANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGR SYKGTVSITKSGIKCQPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRY EVCDIPQCSEVECMTCNGESYRGLMDHTESGKICQRWDHQTPHRHKFLPERYPDKGFDDNYCR NPDGQPRPWCYTLDPHTRWEYCAIKTCADNTMNDTDVPLETTECIQGQGEGYRGTVNTIWNGIPC QRWDSQYPHEHDMTPENFKCKDLRENYCRNPDGSESPWCFTTDPNIRVGYCSQIPNCDMSHGQ DCYRGNGKNYMGNLSQTRSGLTCSMWDKNMEDLHRHIFWEPDASKLNENYCRNPDDDAHGPW CYTGNPLIPWDYCPISRCEGDTTPTIVNLDHPVISCAKTKQLRVVNGIPTRTNIGWMVSLRYRNKHIC GGSLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQLVYGPEGSDLVLMK LARPAVLDDFVSTIDLPNYGCTIPEKTSCSVYGWGYTGLINYDGLLRVAHLYIMGNEKCSQHHRGK VTLNESEICAGAEKIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPGRGCAIPNRPGIFVRVAYYAK WIHKIILTYKVPQS
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  HGF MaxPab rabbit polyclonal antibody. Western Blot analysis of HGF expression in mouse testis.

  Protocol Download

- Western Blot (Cell lysate)

  HGF MaxPab rabbit polyclonal antibody. Western Blot analysis of HGF expression in Raw 264.7.

  Protocol Download

- Western Blot (Transfected lysate)

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  Lane 1: HGF transfected lysate(83.10 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- *In situ* Proximity Ligation Assay (Cell)

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- *In situ* Proximity Ligation Assay (Cell)

  Proximity Ligation Analysis of protein-protein interactions between HGF and MET. Mahlavu cells were stained with anti-HGF rabbit purified polyclonal 1:1200 and anti-MET mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — HGF

Entrez GeneID	3082
GeneBank Accession#	NM_000601
Protein Accession#	NP_000592.3
Gene Name	HGF
Gene Alias	F-TCF, HGFB, HPTA, SF
Gene Description	hepatocyte growth factor (hepapoietin 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, tumorogenesis, 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

- Hepatocyte growth factor upregulation promotes carcinogenesis and epithelial-mesenchymal transition in hepatocellular carcinoma via Akt and COX-2 pathways.

  Ogunwobi OO, Liu C.

  Clinical & Experimental Metastasis 2011 Dec; 28(8):721.

  Application: WB-Ce, Mouse, BNL, 1MEA cells

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