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## HGF Rabbit pAb

Catalog Number: bs-1025R

Target Protein: HGF

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:200-500), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

Predicted MW: 54/80 kDa

Entrez Gene: 3082

Swiss Prot: P14210

Source: KLH conjugated synthetic peptide derived from human HGF alpha: 201-300/723.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** HGF is a pleiotropic protein in the plasminogen subfamily of S1 peptidases. HGF is a potent, mesenchymally-derived mitogen for mature parenchymal hepatocytes, and acts as a growth factor for a broad spectrum of tissues and cell types. HGF signals through a transmembrane tyrosine kinase receptor known as MET. Human HGF is secreted as an inactive 728 amino acid (aa) single chain propeptide. HGF regulates many physiological processes including proliferation, scattering, morphogenesis and survival. HGF is a crucial mitogen for liver regeneration processes, especially after partial hepatectomy and other liver injuries.

This recombinant human HGF is produced by human cells. (Tag free)

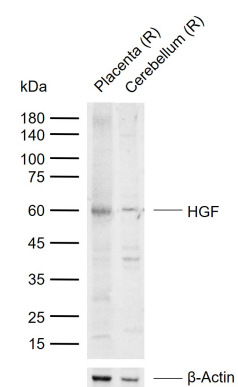
**Biological activity:**

The activity was measured by its ability to stimulate the proliferation of the monkey epithelial cell line 4MBr-5.

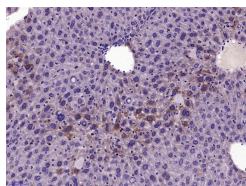
**Reconstitution:**

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## VALIDATION IMAGES



Sample: Lane 1: Rat Placenta tissue lysates Lane 2: Rat Cerebellum tissue lysates Primary: Anti-HGF (bs-1025R) at 1/200 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54/80 kDa Observed band size: 60 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (HGF) Polyclonal Antibody, Unconjugated (bs-1025R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=7.3] Quanyu Chen. et al. Comparative effects of hepatocyte growth factor and tacrolimus on acute liver allograft early tolerance. FRONT IMMUNOL. 2023; 14: 1162439 IHC ; Rat . 37614233

[IF=6.832] Liu, Jingyu. et al. Therapeutic effect of adipose stromal vascular fraction spheroids for partial bladder outlet obstruction induced underactive bladder. Stem Cell Res Ther. 2022 Dec;13(1):1-16 WB ; Rat . 35139904

[IF=5.1] Wu, Ka, et al. "Biocharacterization of Heat Shock Protein 90 in Acetaminophen-Treated Livers Without Conspicuous Drug Induced Liver Injury." Cellular Physiology and Biochemistry 43.4 (2017): 1-1. WB ; ="Mouse" . 29035890

[IF=4.064] Ming Ni. et al. Sox11 Modified Tendon-Derived Stem Cells Promote the Repair of Osteonecrosis of Femoral Head:. Cell Transplant. 2021;(): WB ; Rabbit . 34699265

[IF=3.943] Quanyu Chen. et al. Hepatocyte growth factor mediates a novel form of hepatic stem/progenitor cell-induced tolerance in a rat xenogeneic liver rejection model. Int Immunopharmacol. 2021 Jan;90:107180 IHC ; Hamster, Rat . 33221167