

Anti-HGF Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)
Molecular Weight: Theoretical: 54/80 kDa. Actual: 60 kDa.
Purification: Protein A purified

Applications

1. 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 30 min; Antibody incubation with (HGF) Polyclonal Antibody, Unconjugated (TMAB-00852) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

Verified Activity:

2. Sample:

Lane 1: Rat Placenta tissue lysates

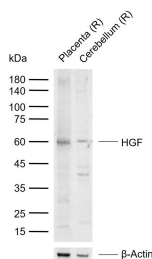
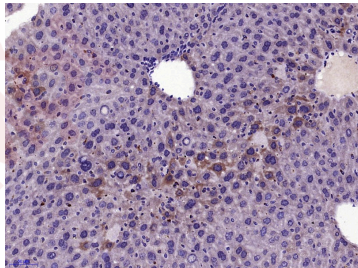
Lane 2: Rat Cerebellum tissue lysates

Primary: Anti-HGF (TMAB-00852) 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



Application: IF,IHC-Fr,IHC-P,WB

Recommended: IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

A DRUG SCREENING EXPERT

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HGF alpha

Antigen Species: Human

Gene ID: 3082

Uniprot ID: P14210

Synonyms: scatter factor);hepatocyte growth factor (hepapoietin A

Biology Area: Hormones,Angiogenic growth factors

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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