

HGFL α (57J13): sc-80040

BACKGROUND

Hepatocyte growth factor, or HGF, is a pleiotropic growth factor variously referred to as scatter factor, hematopoietin A and mammary growth factor. Biologically active HGF is composed of a disulfide linked α chain and a β chain, both of which are highly glycosylated. A related protein, hepatocyte growth factor-like protein (HGFL), is also composed of disulfide linked α and β chains. The HGFL α chain contains an N-terminal hairpin loop structure and four kringle domains. The HGFL β chain contains a serine protease-like domain. HGFL, sometimes referred to as macrophage-stimulating protein or MSP, is a mediator of the inflammatory response and is required to evoke the chemotactic response of peritoneal macrophages. In epithelial cells HGFL induces the autophosphorylation of the receptor tyrosine kinase Ron which is followed by DNA synthesis. This data suggests Ron to be the *in vivo* HGFL receptor.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MST1 (human) mapping to 3p21.31.

SOURCE

HGFL α (57J13) is a mouse monoclonal antibody raised against full length recombinant HGFL of human origin, with epitope mapping to HGFL α .

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 mL PBS with < 0.1% sodium azide and protein stabilizer.

APPLICATIONS

HGFL α (57J13) is recommended for detection of HGFL α of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for HGFL siRNA (h): sc-39570, HGFL shRNA Plasmid (h): sc-39570-SH and HGFL shRNA (h) Lentiviral Particles: sc-39570-V.

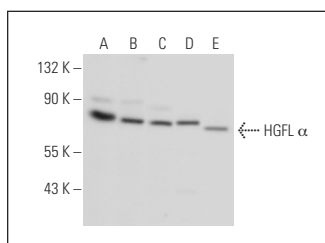
Molecular Weight of HGFL: 80 kDa.

Molecular Weight of HGFL α chain: 53 kDa.

Molecular Weight of HGFL β chain: 30 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, K-562 whole cell lysate: sc-2203 or Hep G2 cell lysate: sc-2227.

DATA



HGFL α (57J13): sc-80040. Western blot analysis of HGFL α expression in Jurkat (A), K-562 (B), Hep G2 (C), Caco-2 (D) and HEK293 (E) whole cell lysates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.