

ARG59655 anti-HDGF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HDGF
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HDGF
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 61-97 of Human HDGF. (KDLFPYEEESKEKFGKPNKRKGFSEGLWEIENNPTVKA)
Conjugation	Un-conjugated
Alternate Names	HMG1L2; HMG-1L2; HDGF; High mobility group protein 1-like 2; Hepatoma-derived growth factor

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

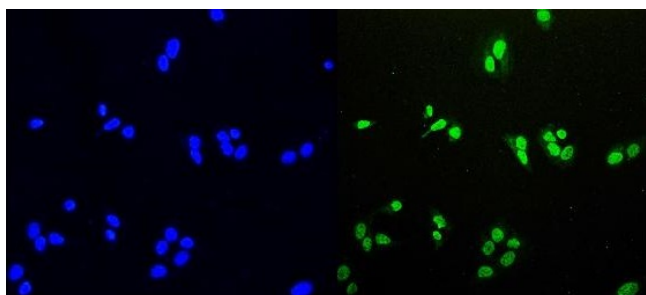
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

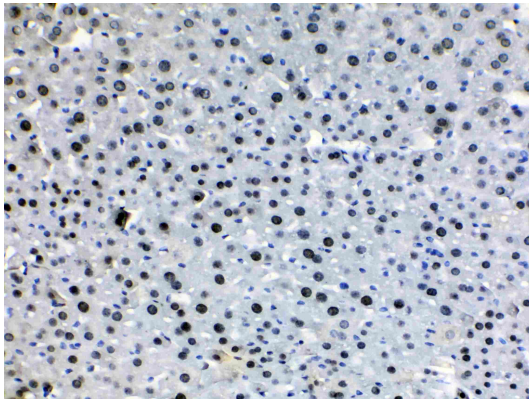
Gene Symbol	HDGF
Gene Full Name	hepatoma-derived growth factor
Background	HDGF is a member of the hepatoma-derived growth factor family. The encoded protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation. High levels of expression of this gene enhance the growth of many tumors. This gene was thought initially to be located on chromosome X; however, that location has been determined to correspond to a related pseudogene. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2016]
Function	HDGF Isoform 1: Acts as a transcriptional repressor (PubMed:17974029). Has mitogenic activity for fibroblasts (PubMed:11751870, PubMed:26845719). Heparin-binding protein (PubMed:15491618). Isoform 2: Does not have mitogenic activity for fibroblasts (PubMed:26845719). Does not bind heparin (PubMed:26845719). Isoform 3: Has mitogenic activity for fibroblasts (PubMed:26845719). Heparin-binding protein (PubMed:26845719). [UniProt]
Highlight	Related products: HDGF antibodies ; HDGF ELISA Kits ; Anti-Rabbit IgG secondary antibodies ; Related news: The role of HDGF in tumor angiogenesis
Calculated Mw	27 kDa
PTM	Sumoylated with SUMO1. Sumoylation prevents binding to chromatin. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG59655 anti-HDGF antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG59655 anti-HDGF antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



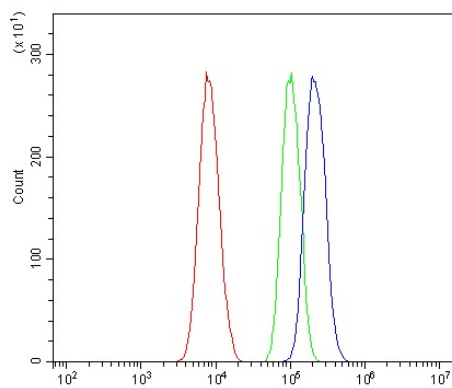
ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG59655 anti-HDGF antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



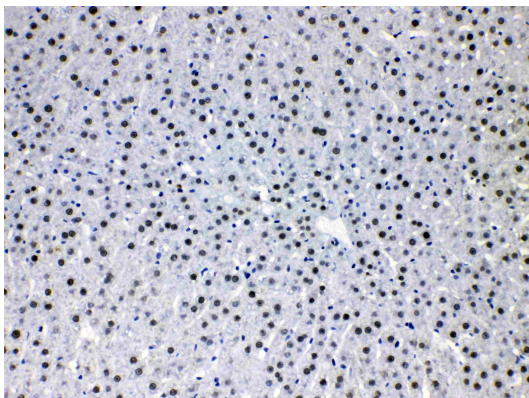
ARG59655 anti-HDGF antibody WB image

Western blot: Rat liver and 22RV1 whole cell lysates stained with ARG59655 anti-HDGF antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



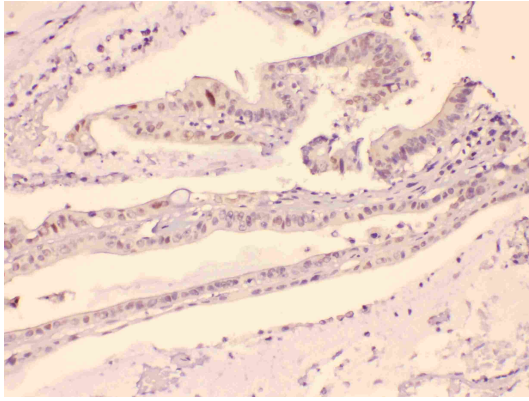
ARG59655 anti-HDGF antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59655 anti-HDGF antibody (blue) at 1 $\mu\text{g}/10^6$ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 $\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



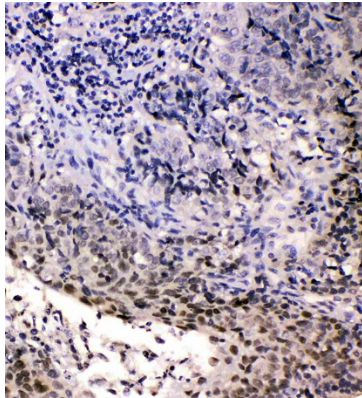
ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver stained with ARG59655 anti-HDGF antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG59655 anti-HDGF antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG59655 anti-HDGF antibody at 1 $\mu\text{g}/\text{ml}$ dilution.
