

Anti-HDGF Picoband Antibody

Catalog # ABO10143

Product Information

Application	WB, IHC-P
Primary Accession	P51858
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Hepatoma-derived growth factor(HDGF) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3068
Other Names	Hepatoma-derived growth factor, HDGF, High mobility group protein 1-like 2, HMG-1L2, HDGF, HMG1L2
Calculated MW	26788
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Cytoplasm. Nucleus.
Tissue Specificity	Ubiquitous.
Source	Eukaryota
Protein Name	Hepatoma-derived growth factor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HDGF (61-97aa KDLFPYEESEKEKFGKPNKRKGFSEGLWEIENNPTVKA), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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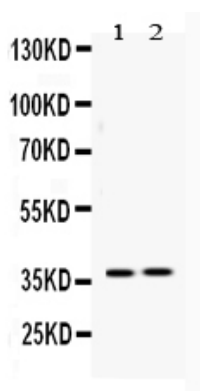
Protein Information

Name	HDGF
Synonyms	HMG1L2
Function	[Isoform 1]: Acts as a transcriptional repressor (PubMed: 17974029). Has mitogenic activity for fibroblasts (PubMed: 11751870 , PubMed: 26845719). Heparin-binding protein (PubMed: 15491618).
Cellular Location	[Isoform 1]: Nucleus. Cytoplasm. Secreted, extracellular exosome. Note=Secreted by exosomes and is located inside the exosome (PubMed:27926477). May also be secreted as free protein via an as yet unknown pathway (PubMed:27926477) [Isoform 3]: Nucleus. Cytoplasm Secreted, extracellular exosome Note=Secreted by exosomes and is located on the outer exosome surface
Tissue Location	Ubiquitous..

Background

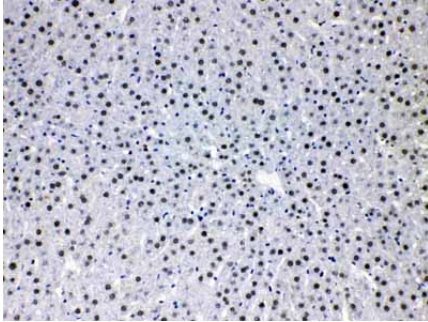
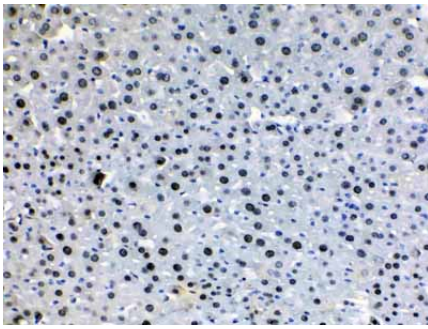
Hepatoma-derived growth factor (HDGF), also known as high mobility group protein 1-like 2 (HMG-1L2), is a protein that in humans is encoded by the HDGF gene. This gene encodes a member of the hepatoma-derived growth factor family. The encoded protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation. High levels of expression of this gene enhance the growth of many tumors. And 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.

Images

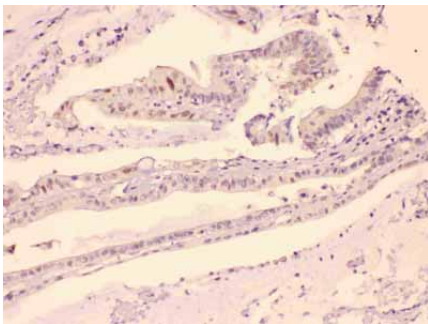


Western blot analysis of HDGF expression in rat liver extract (lane 1) and 22RV1 whole cell lysates (lane 2). HDGF at 37KD was detected using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody (Catalog # ABO10143) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

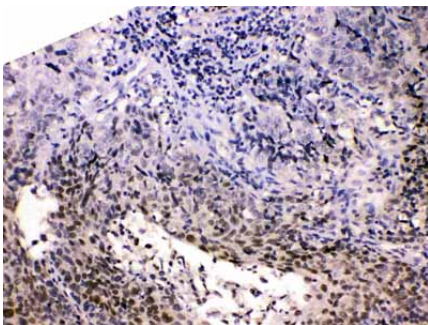
HDGF was detected in paraffin-embedded sections of mouse liver tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody (Catalog # ABO10143) at 1 µg/mL. The immunohistochemical section was developed using SABC method .



HDGF was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody (Catalog # ABO10143) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



HDGF was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody (Catalog # ABO10143) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



HDGF was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody (Catalog # ABO10143) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.