

HDGF Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6375b

Product Information

Application WB, IHC-P, IF, E

Primary Accession P51858

Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB14546
Calculated MW 26788
Antigen Region 171-197

Additional Information

Gene ID 3068

Other Names Hepatoma-derived growth factor, HDGF, High mobility group protein 1-like 2,

HMG-1L2, HDGF, HMG1L2

Target/Specificity This HDGF antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 171-197 amino acids from the

C-terminal region of human HDGF.

Dilution WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions HDGF Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name HDGF

Synonyms HMG1L2

Function [Isoform 1]: Acts as a transcriptional repressor (PubMed: <u>17974029</u>). Has

mitogenic activity for fibroblasts (PubMed: <u>11751870</u>, PubMed: <u>26845719</u>). Heparin-binding protein (PubMed: <u>15491618</u>).

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...

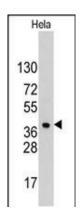
Background

HDGF is a member of the hepatoma-derived growth factor family. This protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation.

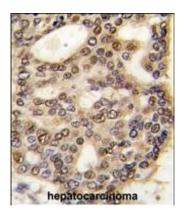
References

Thakar, K., FEBS J. 275 (7), 1411-1426 (2008) Chang, K.C., Int. J. Cancer 121 (5), 1059-1065 (2007) Yamamoto, S., Ann. Surg. Oncol. 14 (7), 2141-2149 (2007) Uyama, H., Clin. Cancer Res. 12 (20 PT 1), 6043-6048 (2006)

Images

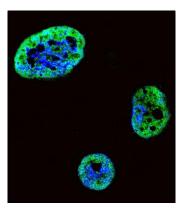


Western blot analysis of anti-HDGF Pab (Cat.#AP6375b) in Hela cell line lysates (35ug/lane). HDGF(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HDGF antibody (C-term) (Cat.#AP6375b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of HDGF Antibody (C-term)(Cat#AP6375b) with SK-BR-3 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).DAPI was used to stain the cell nuclear (blue).



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