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HDGF Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5589

Product Information

Application	IF, IHC-P, WB
Primary Accession	P51858
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26788
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	3068
Antigen Region	171-197
Other Names	Hepatoma-derived growth factor, HDGF, High mobility group protein 1-like 2, HMG-1L2, HDGF, HMG1L2
Dilution	IF~~1:10~50 IHC-P~~1:100~500 WB~~1:2000
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.
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: 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..

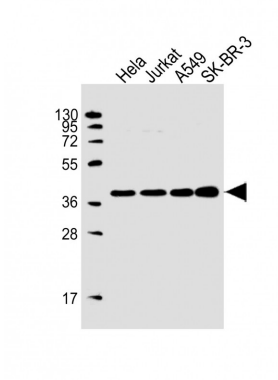
Background

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.

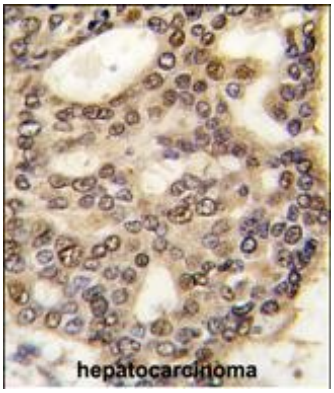
References

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

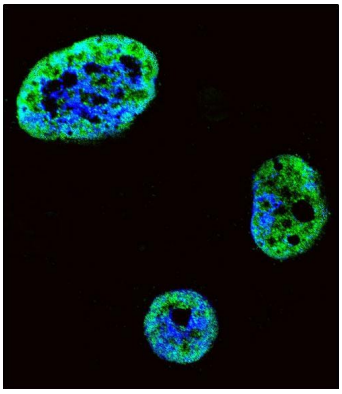


All lanes : Anti-HDGF Antibody (C-term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: A549 whole cell lysate Lane 4: SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HDGF antibody (C-term) (Cat.#AW5589), 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#AW5589) 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).



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