

### **HDGF Antibody (C-term)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6375b

### **Specification**

## **HDGF Antibody (C-term) - Product Information**

Application IF, WB, IHC-P,E

Primary Accession
Reactivity
Host
Clonality
Isotype
Calculated MW
Antigen Region

P51858
Human
Rabbit
Polyclonal
Rabbit IgG
171-197

### **HDGF Antibody (C-term) - 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**

IF~~1:10~50 WB~~1:1000 IHC-P~~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.

### **HDGF Antibody (C-term) - 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

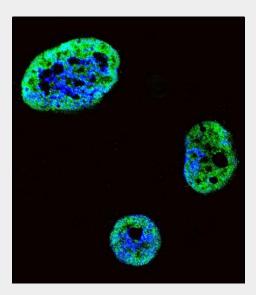
Tissue Location Ubiquitous..

## **HDGF Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

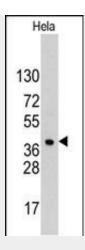
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **HDGF Antibody (C-term) - Images**



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





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.

# **HDGF Antibody (C-term) - 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.

## **HDGF Antibody (C-term) - 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)