

## Rabbit HDGF Polyclonal Antibody | anti-HDGF antibody

Anti-HDGF Antibody

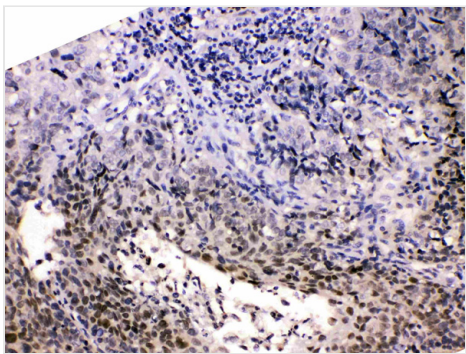
|                              |                       |                                        |                                                           |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA46726</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

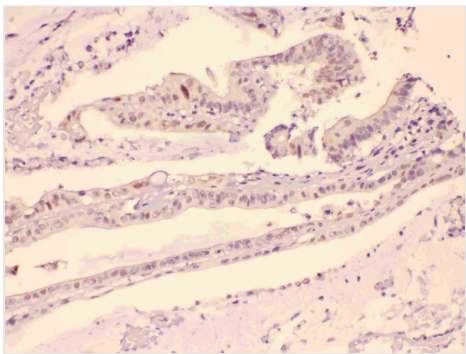
HDGF; Polyclonal Antibody; Anti-HDGF Antibody; HMG-1L2; HMG1L2; P51858; Hepatoma-derived growth factor; anti-HDGF antibody

### PRODUCT SPECIFICATIONS

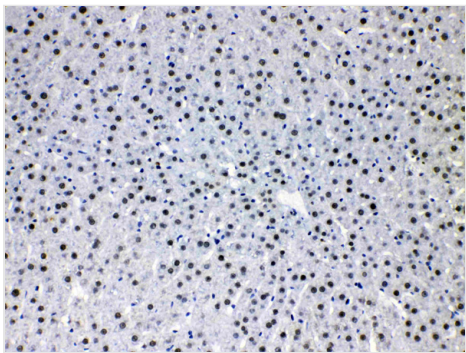
|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                                                                               |
| Form/Format                                    | Lyophilized<br>Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                                                         |
| Sequence Length                                | 256                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-HDGF antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                              |
| Notes                                          | Tested Species: In-house tested species with positive results.<br>By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.<br>Other applications have not been tested. |
| Reconstitution                                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                                                                       |
| Immunogen                                      | A synthetic peptide corresponding to a sequence at the C-terminus of human HDGF (61-97aa KDLFPYEEESKEKFGKPNKRKGFSEGLWEIENNPTVKA), identical to the related mouse and rat sequences.                                                                        |
| Preparation and Storage                        | Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.                                                 |



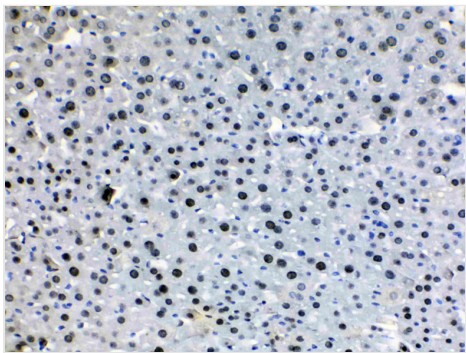
**IHC (Immunohistochemistry)**  
HDGF was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



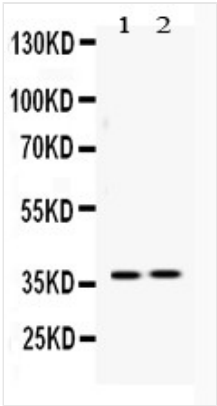
**IHC (Immunohistochemistry)**  
HDGF was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



**IHC (Immunohistochemistry)**  
HDGF was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- HDGF Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



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



**WB (Western Blot)**  
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 at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HDGF antibody | <p>Rabbit IgG polyclonal antibody for Hepatoma-derived growth factor(HDGF) detection.</p> <p>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.</p> |
| References                                         | <p>1. "Entrez Gene: HDGF hepatoma-derived growth factor (high-mobility group protein 1-like)".</p> <p>2. Everett AD, Bushweller J (2003). "Hepatoma derived growth factor is a nuclear targeted mitogen.". Current drug targets. 4 (5): 367-71.</p> <p>3. Wanschura S, Schoenmakers EF, Huysmans C, Bartnitzke S, Van de Ven WJ, Bullerdiek J (May 1997). "Mapping of the gene encoding the human hepatoma-derived growth factor (HDGF) with homology to the high-mobility group (HMG)-1 protein to Xq25". Genomics. 32 (2): 298-300.</p>                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 186928819                                      |
| NCBI GeneID                      | 3068                                           |
| NCBI Accession #                 | NP_001119522.1                                 |
| NCBI GenBank Nucleotide #        | NM_001126050.1                                 |
| UniProt Accession #              | P51858; Q5SZ07; Q5SZ08; Q5SZ09; B3KU21; D3DVC9 |
| Molecular Weight                 | 28,264 Da                                      |
| NCBI Official Full Name          | hepatoma-derived growth factor isoform b       |
| NCBI Official Synonym Full Names | hepatoma derived growth factor                 |
| NCBI Official Symbol             | HDGF                                           |
| NCBI Official Synonym Symbols    | HMG1L2                                         |
| NCBI Protein Information         | hepatoma-derived growth factor                 |
| UniProt Protein Name             | Hepatoma-derived growth factor                 |
| UniProt Gene Name                | HDGF                                           |
| UniProt Synonym Gene Names       | HMG1L2; HDGF; HMG-1L2                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.