



Rabbit Anti-HDGFRP3 antibody

SL16464R

Product Name:	HDGFRP3
Chinese Name:	肝癌衍生生长因子相关蛋白3抗体
Alias:	CGI 142; HDGF 2; HDGF-2; HDGF2; HDGFRP 3; Hdgrfp3; HDGR3_HUMAN; Hepatoma derived growth factor 2; Hepatoma derived growth factor related protein 3; Hepatoma-derived growth factor 2; Hepatoma-derived growth factor-related protein 3; HRP 3; HRP-3; HRP3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	23kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HDGFRP3:101-203/203
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Hepatoma derived growth factor (HDGF) is the original member of a family of polypeptides designated HDGF-related proteins (HRPs). HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. This nuclear targeted vascular smooth muscle cell mitogen (VSM) is a heparin-binding

protein that is highly expressed in tumor cells, where it stimulates proliferation. HDGF is also reported to be involved in organ development and lung remodeling after injury by promoting proliferation of lung epithelial cells. During development, HDGF expression is high in the nucleus and cytoplasm of smooth muscle and endothelial cells. The HRP family contains four proteins, HRP-1, HRP-2, HRP-3 and HRP-4. HRP-1 and HRP-4 are expressed only in testis, while HRP-2 is widely expressed in different tissues. HRP-3 can be found solely in the nervous system. Specifically it is strongly expressed in bulbus, olfactorius, piriform cortex and amygdala complex, while HRP-2 in brain is located in the thalamus, prefrontal and parietal cortex, neurohypophysis and cerebellum. In the central nervous system, HRPs play a role in neuron proliferation and cell survival.

Function:

Enhances DNA synthesis and may play a role in cell proliferation.

Subcellular Location:

Nucleus.

Tissue Specificity:

Detected in testis, heart, spinal cord and brain.

Similarity:

Belongs to the HDGF family.
Contains 1 PWWP domain.

SWISS:

Q9Y3E1

Gene ID:

50810

Database links:

[Entrez Gene: 50810](#) Human

[Entrez Gene: 29877](#) Mouse

[Entrez Gene: 252941](#) Rat

[SwissProt: Q9Y3E1](#) Human

[SwissProt: Q9JMG7](#) Mouse

[SwissProt: Q923W4](#) Rat

[Unigene: 513954](#) Human

[Unigene: 392934](#) Mouse

[Unigene: 17383](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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