



Rabbit Anti-HRP2 antibody

SL9072R

Product Name:	HRP2
Chinese Name:	肝癌衍生生长因子2抗体
Alias:	HDGF-2; Hdgfrp2; HDGR2_HUMAN; Hepatoma-derived growth factor 2; Hepatoma-derived growth factor; Hepatoma-derived growth factor-related protein 2; heptoma derived growth factor related protein 2; HRP-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HRP2:21-120/671
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 (HDGF related proteins) family contains four proteins, HRP-1, HRP-2, HRP-3 and HRP-4. HRP-1 and HRP-4 are only expressed in testis while HRP-2 is widely expressed in different tissues. HRP-3 can solely be found in the nervous system. Specifically it is strongly expressed in bulbos, olfactorius, piriform cortex and amygdala complex while HRP-2 in brain is located in the thalamus, prefrontal and parietal cortex, neurohypophysis, and the cerebellum. In the central nervous system, HRP proteins are play a role in neuron proliferation and cell survival.

Subunit:

May interact with trimethylated histone H3 (H3K79me3)

Subcellular Location:

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Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the HDGF family.
Contains 1 PWWP domain.

SWISS:

Q7Z4V5

Gene ID:

84717

Database links:

[Entrez Gene: 84717](#) Human

[Entrez Gene: 15193](#) Mouse

[Entrez Gene: 171073](#) Rat

[SwissProt: Q7Z4V5](#) Human

[SwissProt: Q3UMU9](#) Mouse

[SwissProt: Q925G1](#) Rat

[Unigene: 43071](#) Human

[Unigene: 279188](#) Mouse

[Unigene: 29462](#) 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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