

HDGFL1 Rabbit pAb

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Catalog # AP55990

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5TGJ6
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27234
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HDGFL1
Epitope Specificity	21-120/251
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 play a role in neuron proliferation and cell survival.

Additional Information

Gene ID	154150
Other Names	Hepatoma-derived growth factor-like protein 1, PWWP domain-containing protein 1, HDGFL1, PWWP1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name HDGFL1

Synonyms PWWP1

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