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Datasheet for ABIN1400674

anti-HDGFRP2 antibody (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	HDGFRP2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDGFRP2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HRP2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	HDGFRP2
Alternative Name:	HRP2 (HDGFRP2 Products)
Background:	<p>Synonyms: 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.</p> <p>Background: Hepatoma Derived Growth Factor (HDGF) is the original member of a family of</p>

Target Details

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 bulbus, 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.

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months