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Datasheet for ABIN7384415 anti-LRP8 antibody



Overview

Quantity:	50 µL
Target:	LRP8
Reactivity:	Human, Rat, Hamster
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This LRP8 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Clone:	R03-1H8
lsotype:	lgG
Purification:	Affinity Purified

Target Details

Target:	LRP8
Alternative Name:	ApoER2 (LRP8 Products)
Background:	MCI1,LRP-8,AP0ER2,HSZ75190,Cell surface receptor for Reelin (RELN) and apolipoprotein E
	(apoE)-containing ligands. LRP8 participates in transmitting the extracellular Reelin signal to
	intracellular signaling processes, by binding to DAB1 on its cytoplasmic tail. Reelin acts via both
	the VLDL receptor (VLDLR) and LRP8 to regulate DAB1 tyrosine phosphorylation and
	microtubule function in neurons. LRP8 has higher affinity for Reelin than VLDLR. LRP8 is thus a

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key component of the Reelin pathway which governs neuronal layering of the forebrain during
embryonic brain development. Binds the endoplasmic reticulum resident receptor-associated
protein (RAP). Binds dimers of beta 2-glycoprotein I and may be involved in the suppression of
platelet aggregation in the vasculature. Highly expressed in the initial segment of the
epididymis, where it affects the functional expression of clusterin and phospholipid
hydroperoxide glutathione peroxidase (PHGPx), two proteins required for sperm maturation.
May also function as an endocytic receptor. Not required for endocytic uptake of SEPP1 in the
kidney which is mediated by LRP2 . Together with its ligand, apolipoprotein E (apoE), may
indirectly play a role in the suppression of the innate immune response by controlling the
survival of myeloid-derived suppressor cells .
Observed_MW: 106kDa
Calculated_MW: 106kDa
7804
Q14114
WB 1:500-1:2000
For Research Use only
300 μg/mL
50 mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40 % Glycerol, 0.01 % Sodium azide and 0.05 % BSA
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
should be handled by trained staff only.
-20 °C
Store at -20°C. Avoid freeze / thaw cycles.