



# ZDHHC5 Rabbit pAb

<b>Catalog No</b>	YP-Ab-18616
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ZDHHC5 KIAA1748 ZNF375
<b>Protein Name</b>	Palmitoyltransferase ZDHHC5 (Zinc finger DHHC domain-containing protein 5) (DHHC-5) (Zinc finger protein 375)
<b>Immunogen</b>	Synthesized peptide derived from human ZDHHC5
<b>Specificity</b>	This antibody detects endogenous levels of ZDHHC5 at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	79kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse .
<b>Tissue Specificity</b>	
<b>Function</b>	<p>Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates such as CTNND2, CD36, STAT3 and S1PR1 thus plays a role in various biological processes including cell adhesion, fatty acid uptake, bacterial sensing or cardiac functions . Plays an important role in the regulation of synapse efficacy by mediating palmitoylation of delta-catenin/CTNND2, thereby increasing synaptic delivery and surface stabilization of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid receptors (AMPArs). Under basal conditions, remains at the synaptic membrane through FYN-mediated phosphorylation that prevents association with endocytic proteins . Neuronal activity enhances the internalization and trafficking of DHHC5 from spines to dendritic shafts where it palmitoylates delta-catenin/CTNND2 . Regulates cell adhesion at the plasma membrane by palmitoylating GOLGA7B and DSG2 . Plays a role in innate immune response by mediating the palmitoylation of NOD1 and NOD2 and their proper recruitment to the bacterial entry site and phagosomes . Participates also in fatty acid uptake by palmitoylating CD36 and thereby targeting it to the plasma membrane. Upon</p>



binding of fatty acids to CD36, gets phosphorylated by LYN leading to inactivation and subsequent CD36 caveolar endocytosis . Controls oligodendrocyte development by catalyzing STAT3 palmitoylation (By similarity).

### Background

### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

