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ZDHHC4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20836a

Product Information

Application	WB, E
Primary Accession	Q9NPG8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49980
Calculated MW	39787

Additional Information

Gene ID	55146
Other Names	Probable palmitoyltransferase ZDHHC4, Zinc finger DHHC domain-containing protein 4, DHHC-4, Zinc finger protein 374, ZDHHC4, ZNF374
Target/Specificity	This ZDHHC4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 24-57 amino acids from the N-terminal region of human ZDHHC4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZDHHC4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

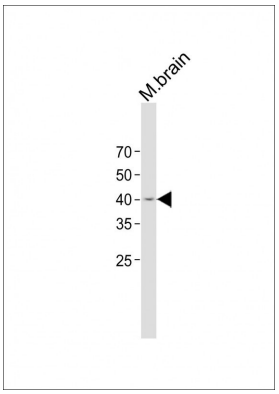
Name	ZDHHC4 (HGNC:18471)
Synonyms	ZNF374
Function	Palmitoyltransferase that catalyzes the addition of palmitate onto protein substrates including the D(2) dopamine receptor DRD2, GSK3B or MAVS (PubMed:26535572, PubMed:35606353, PubMed:38016475). Mediates GSK3B

	palmitoylation to prevent its AKT1-mediated phosphorylation leading to activation of the STAT3 signaling pathway (PubMed:35606353). Also catalyzes MAVS palmitoylation which promotes its stabilization and activation by inhibiting 'Lys-48'- but facilitating 'Lys-63'-linked ubiquitination (PubMed:38016475).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

References

Li Y.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes: Anti-ZDHHC4 Antibody (N-term) at 1:500 dilution + Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 40 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- Transient scrotal hyperthermia affects human sperm DNA integrity, sperm apoptosis, and sperm protein expression.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.