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## ZDHHC3 Rabbit pAb

Catalog Number: bs-12034R

Target Protein: ZDHHC3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Dog, Horse)

Predicted MW: 34 kDa

Entrez Gene: 51304

Swiss Prot: Q9NYG2

Source: KLH conjugated synthetic peptide derived from human GODZ/ZNF373: 201-299/299.

Purification: affinity purified by Protein A

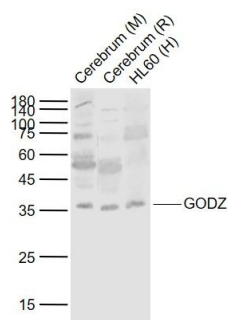
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Golgi-specific DHHC (Asp-His-His-Cys) zinc finger protein (GODZ), also known as, Palmitoyltransferase ZDHHC3 or Zinc finger protein 373, is a 327 amino acid protein member of the DHHC palmitoyltransferase family. Localized to the Golgi apparatus membrane, GODZ contains one DHHC-type zinc finger, which is necessary for its palmitoyltransferase activity. GODZ has been implicated in the palmitoylation and regulated trafficking of diverse substrates that function various inhibitory and excitatory synapses. Specifically, it palmitoylates the gamma subunit 2 of GABA(A) receptors, which leads to normal synaptic GABAergic inhibitory function. GODZ also palmitoylates glutamate receptors GRIA1 and GRIA2, which leads to their retention in Golgi. Two isoforms of GODZ exist as a result of alternative splicing events.

### VALIDATION IMAGES

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Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Human HL60 cell lysates Primary: Anti-GODZ/ZDHHC3 (bs-12034R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 37 kD