

**AP16315PU-N****Polyclonal Antibody to HIP14 / ZDHHC17 (C-term) - Aff - Purified****Alternate names:**

DHHC-17, HIP3, HSPC294, HYPH, Huntingtin-interacting protein 14, Huntingtin-interacting protein 3, Huntingtin-interacting protein H, KIAA0946, Palmitoyltransferase ZDHHC17, Zinc finger DHHC domain-containing protein 17

**Quantity:**

0.1 mg

**Concentration:**

0.5 mg/ml

**Background:**

ZDHHC17 (HIP14) is a neuronal palmitoyl transferase. Palmitoylation is critical for trafficking and function of signaling molecules, neurotransmitter receptors, and synaptic scaffolding proteins in neurons. ZDHHC17 causes cellular transformation. It has been shown that mRNA encoding ZDHHC17 is up-regulated in a number of types of human tumors, thus ZDHHC17 and other PATs (palmitoyl acyltransferases) are potential targets for new anticancer drugs.

**Uniprot ID:**

[Q8IUH5](#)

**NCBI:**

[NP\\_056151.2](#)

**GeneID:**

[23390](#)

**Host:**

Goat

**Immunogen:**

Peptide with sequence CYDQISGSGYQLV, from the C Terminus of the protein sequence according to NP\_056151.2.

**Gene name:** ZDHHC17

**Format:**

**State:** Liquid purified IgG fraction

**Purification:** Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide

**Buffer System:** Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer

**Applications:**

**Peptide ELISA:** Detection Limit Dilution: 1/8000.

**Western blot:** 1-3 µg/ml. Approx 70kDa band observed in Human and Mouse Brain lysates (Calculated MW of 72.7kDa according to NP\_056151.1).

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes HIP14/ZDHHC17.

**Species Reactivity:**

**Tested:** Human, Mouse.

**Expected from sequence similarity:** Rat, Canine (Dog) and Bovine.

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

1. Huang K, Yanai A, Kang R, Arstikaitis P, Singaraja RR, Metzler M, et al. Huntingtin-interacting protein HIP14 is a palmitoyl transferase involved in palmitoylation and trafficking of multiple neuronal proteins. *Neuron*. 2004 Dec 16;44(6):977-86. PubMed PMID: 15603740.

## Pictures:

TA302507 (1 $\mu$ g/ml) staining of Mouse Brain lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

