

## **ZNF537 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59029

## **Specification**

## **ZNF537 Polyclonal Antibody - Product Information**

Application

Primary Accession

Reactivity

Host

Clonality

Calculated MW

WB, IHC-P, IHC-F, IF

Q63HK5

Rat, Pig, Bovine

Rabbit

Polyclonal

118566

# **ZNF537 Polyclonal Antibody - Additional Information**

**Gene ID 57616** 

#### **Other Names**

Teashirt homolog 3, Zinc finger protein 537, TSHZ3, KIAA1474, TSH3, ZNF537

### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

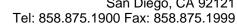
## **ZNF537 Polyclonal Antibody - Protein Information**

Name TSHZ3

Synonyms KIAA1474, TSH3, ZNF537

## **Function**

Transcriptional regulator involved in developmental processes. Functions in association with APBB1, SET and HDAC factors as a transcriptional repressor, that inhibits the expression of CASP4. TSHZ3-mediated transcription repression involves the recruitment of histone deacetylases HDAC1 and HDAC2. Associates with chromatin in a region surrounding the CASP4 transcriptional start site(s) (PubMed:<a href="http://www.uniprot.org/citations/19343227" target="\_blank">19343227</a>). Regulates the development of neurons involved in both respiratory rhythm and airflow control. Promotes maintenance of nucleus ambiguus (nA) motoneurons, which govern upper airway function, and establishes a respiratory rhythm generator (RRG) activity compatible with survival at birth. Involved in the differentiation of the proximal uretic smooth muscle cells during developmental processes. Involved in the up-regulation of myocardin, that directs the expression of smooth muscle cells in the proximal ureter (By similarity). Involved in the modulation of glutamatergic synaptic transmission and long-term synaptic potentiation (By similarity).





## **Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:19343227}. Cell projection, growth cone. Note=Colocalizes with APBB1 in axonal growth cone (By similarity). Colocalizes with APBB1 in the nucleus.

#### **Tissue Location**

Expressed in brain; strongly reduced in post-mortem elderly subjects with Alzheimer disease (PubMed:18776146, PubMed:19343227). Expressed in the fetal neocortex (PubMed:27668656)

## **ZNF537 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**ZNF537 Polyclonal Antibody - Images**