

## Product datasheet for **TA319987**

### ZNF537 (TSHZ3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TSHZ3 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human TSHZ3.
Formulation:	TSHZ3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TSHZ3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	teashirt zinc finger homeobox 3
Database Link:	<a href="#">NP_065907</a> <a href="#">Entrez Gene 243931 Mouse</a> <a href="#">Entrez Gene 308523 Rat</a> <a href="#">Entrez Gene 57616 Human</a> <a href="#">Q63HK5</a>



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**Background:**

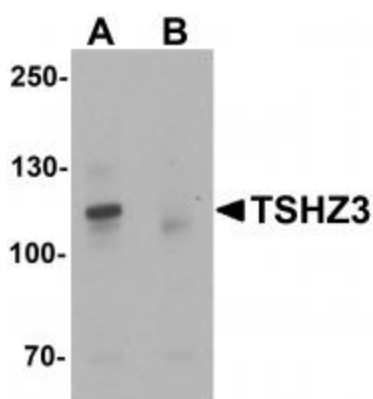
TSHZ3 Antibody: The Teashirt zinc finger homeobox (TSHZ) family comprise a family of evolutionarily conserved transcription factors that, in *Drosophila*, are active in specific body parts for patterning, but whose function in vertebrates is less clear. In mice, the known three TSHZ proteins are expressed in distinct patterns in the developing and adult brain, suggesting that they play a role in the establishment of regional identity and specification of cell types within the brain. Both TSHZ3 and TSHZ1 have been found to interact with FE65, an adapter protein that binds to the amyloid protein precursor (APP) in neurons. Together with SET, a component of the inhibitor of acetyl transferase, and histone deacetylases, these proteins formed a gene-silencing complex whose target includes caspase-4. Recent experiments have also suggested this family of proteins may be involved in carcinogenesis.

**Synonyms:**

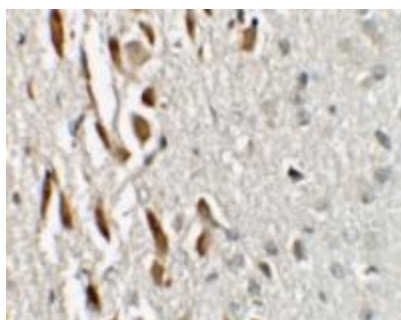
TSH3; ZNF537

**Protein Families:**

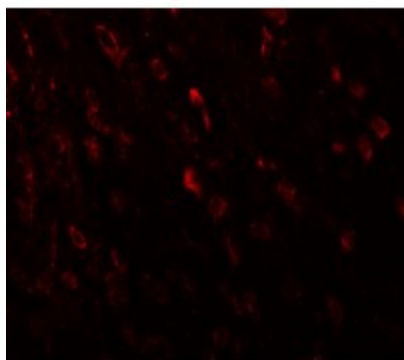
Transcription Factors

**Product images:**

Western blot analysis of TSHZ3 in mouse brain tissue lysate with TSHZ3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TSHZ3 in mouse brain tissue with TSHZ3 antibody at 2.5 ug/mL.



Immunofluorescence of TSHZ3 in mouse brain tissue with TSHZ3 antibody at 20 ug/mL.