BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Teashirt homolog 3 TSHZ3 Antibody

Catalog Number: A08453

About TSHZ3

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.

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Overview

Product Name	Anti-Teashirt homolog 3 TSHZ3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Teashirt homolog 3 TSHZ3 Antibody (Catalog # A08453). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TSHZ3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TSHZ3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q63HK5

Technical Details

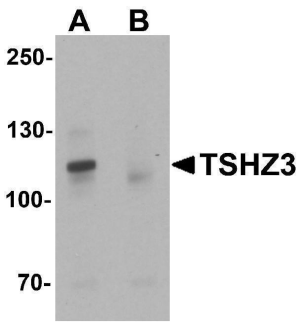
Immunogen	TSHZ3 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human TSHZ3. The immunogen is located within amino acids 60 - 110 of TSHZ3.

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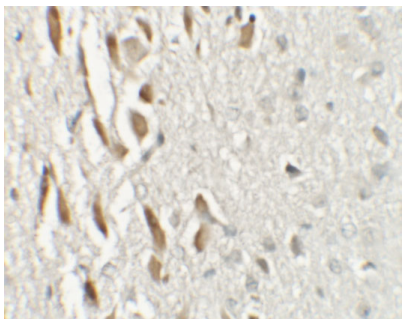
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TSHZ3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TSHZ3 antibody can be used for detection of TSHZ3 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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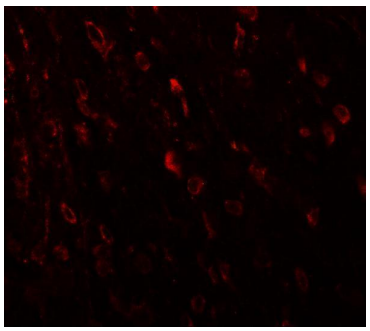
Anti-Teashirt homolog 3 TSHZ3 Antibody (A08453) Images



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.

Anti-Teashirt homolog 3 TSHZ3 Antibody

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