

Anti-TTC5 Antibody

Catalog Number: A13808

About TTC5

Tetratricopeptide repeat protein 5 (TTC5) is a member of a diverse group of functionally distinct proteins that are characterized by containing one or more tetratricopeptide repeats. Each motif consists of two anti-parallel α -helices such that tandem arrays of TPR motifs generate a right-handed helical structure with an amphipathic channel that may serve to accommodate the complementary region of a target protein. While the exact function of TTC5 remains unclear, it is thought that the TPR motifs serve to mediate protein-protein interactions such as those seen with protein chaperones HSP70 and HSP90 and some proteins involved in cell stress response signaling pathways such as protein phosphatase 5, suggesting that TTC5 may also function via protein-protein interactions mediated by its TPR motifs.

Overview

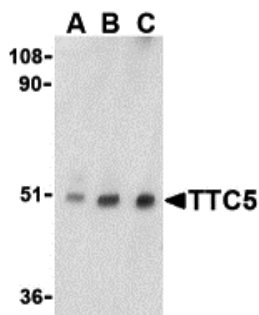
Product Name	Anti-TTC5 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TTC5 Antibody (Catalog # A13808). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TTC5 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TTC5 antibody can be stored at 4°C for three months and -20°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	Q8N0Z6

Technical Details

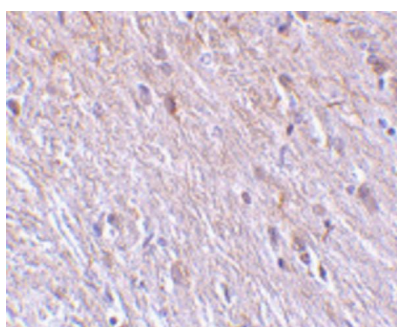
Immunogen	TTC5 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human TTC5. The immunogen is located within the last 50 amino acids of TTC5.
Predicted Reactive Species	Bovine, Rat
Cross Reactivity	At least two isoforms of Paralemm3 are known to exist; this antibody will only detect the longer isoform
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	TTC5 Antibody is immunoaffinity purified IgG.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>TTC5 antibody can be used for the detection of TTC5 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>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.</p>

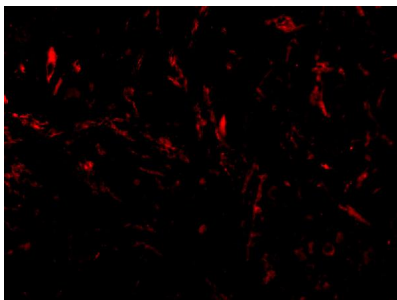
Anti-TTC5 Antibody (A13808) Images



Western blot analysis of TTC5 in RAW264.7 cell lysate with TTC5 antibody at (A) 0.5



Immunohistochemistry of TTC5 in mouse brain tissue with TTC5 antibody at 10 ug/mL.



Immunofluorescence of TTC5 in Mouse Brain cells with TTC5 antibody at 20 ug/mL.

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