

Product datasheet for **TA306112**

TTC5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TTC5 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human TTC5.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Immunoaffinity purified IgG
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tetratricopeptide repeat domain 5
Database Link:	NP_612385 Entrez Gene 219022 Mouse Entrez Gene 91875 Human Q8N0Z6



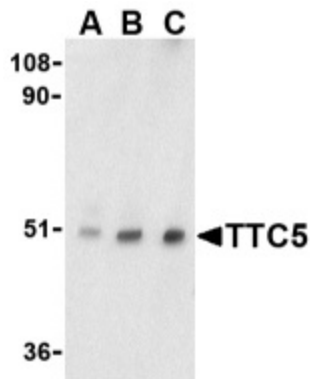
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Background:

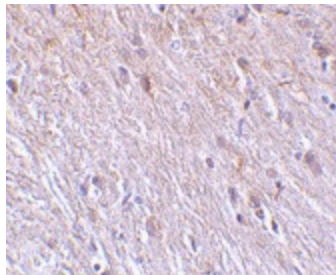
Tetratricopeptide repeat protein 5 (TTC5) is a member of a diverse group of functionally distinct proteins that are characterized by containing one or more tetratricopeptide repeats (1). Each motif consists of two anti-parallel α -helices such that tandem arrays of TPR motifs generate a right-handed 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 (2) and some proteins involved in cell stress response signaling pathways such as protein phosphatase 5 (3), suggesting that TTC5 may also function via protein-protein interactions mediated by its TPR motifs.

Synonyms:

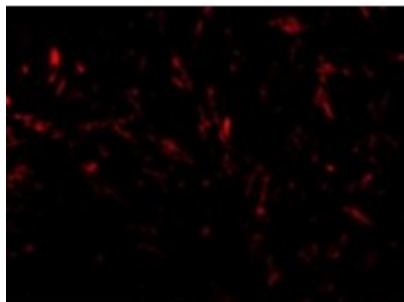
Strap

Product images:

Western blot analysis of TTC5 in RAW264.7 cell lysate with TTC5 antibody at (A) 0.5, (B) 1 and (C) 2 $\mu\text{g/ml}$.



Immunohistochemistry of TTC5 in mouse brain tissue with TTC5 antibody at 10 $\mu\text{g/ml}$.



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