

TNRC6B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54521

Specification

TNRC6B Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UPQ9
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	194 kDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TNRC6B
Epitope Specificity	25-70/1833
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, P-body. Mammalian P-bodies are also known as GW bodies, GWBs.
SIMILARITY	Belongs to the GW182 family. Contains 1 RRM (RNA recognition motif) domain.
SUBUNIT	Interacts with EIF2C1/AGO1, EIF2C2/AGO2, EIF2C3/AGO3 and EIF2C4/AGO4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

TNRC6B is a 1,723 amino acid protein that exists as two alternatively spliced isoforms and is thought to be involved in mRNA cleavage events. Expressed ubiquitously, TNRC6B contains one glycine/tryptophan (GW)-rich N-terminal domain, one central glutamine-rich region and one C-terminal RNA recognition motif and is encoded by a gene that maps to human chromosome 22. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia. Additionally, translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein BCR-Abl, a potent cell proliferation activator found in several types of leukemias.

TNRC6B Polyclonal Antibody - Additional Information

Gene ID 23112

Other Names

Trinucleotide repeat-containing gene 6B protein, TNRC6B, KIAA1093

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °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 °C.

TNRC6B Polyclonal Antibody - Protein Information

Name TNRC6B

Synonyms KIAA1093

Function

Plays a role in RNA-mediated gene silencing by both micro- RNAs (miRNAs) and short interfering RNAs (siRNAs) (PubMed:16289642, PubMed:19167051, PubMed:19304925, PubMed:32354837). Required for miRNA- dependent translational repression and siRNA-dependent endonucleolytic cleavage of complementary mRNAs by argonaute family proteins (PubMed:16289642, PubMed:19167051, PubMed:19304925, PubMed:32354837). As scaffolding protein associates with argonaute proteins bound to partially complementary mRNAs and simultaneously can recruit CCR4-NOT and PAN deadenylase complexes (PubMed:21981923).

Cellular Location

Cytoplasm, P-body. Note=Mammalian P-bodies are also known as GW bodies (GWBS).

TNRC6B Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TNRC6B Polyclonal Antibody - Images