



Rabbit Anti-TNRC6B antibody

SL11489R

Product Name:	TNRC6B
Chinese Name:	三核苷酸重复蛋白6B抗体
Alias:	KIAA1093; TNRC 6B; Trinucleotide repeat containing 6B; Trinucleotide repeat containing gene 6B protein; TNR6B. HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	194kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TNRC6B:25-70/1833
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

TNRC6B belongs to the GW182 family. It contains one RRM (RNA recognition motif) domain. TNRC6B plays a role in RNA mediated gene silencing by both micro RNAs (miRNAs) and short interfering RNAs (siRNAs). It is required for miRNA dependent translational repression and siRNA dependent endonucleolytic cleavage of complementary mRNAs by argonaute family proteins. There are three named isoforms.

Subunit:

Interacts with EIF2C1/AGO1, EIF2C2/AGO2, EIF2C3/AGO3 and EIF2C4/AGO4.

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.

SWISS:

Q9UPQ9

Gene ID:

23112

Database links:

[Entrez Gene: 481240](#)Dog

[Entrez Gene: 100070414](#)Horse

[Entrez Gene: 23112](#)Human

[Entrez Gene: 213988](#)Mouse

[Entrez Gene: 192178](#)Rat

[Omim: 610740](#)Human

[SwissProt: Q9UPQ9](#)Human

[SwissProt: Q8BKI2](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
--	---

www.sunlongbiotech.com