



Rabbit Anti-Tropomodulin 2 antibody

SL17155R

Product Name:	Tropomodulin 2
Chinese Name:	原肌球蛋白调节蛋白1抗体
Alias:	MGC39481; N Tmod; TMOD2_HUMAN; Neuronal tropomodulin; NTMOD; TMOD2; tropomodulin 2 (neuronal); Tropomodulin 2; tropomodulin 2 neuronal.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,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:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Tropomodulin 2:251-351/351
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:	This gene encodes a neuronal-specific member of the tropomodulin family of actin-regulatory proteins. The encoded protein caps the pointed end of actin filaments preventing both elongation and depolymerization. The capping activity of this protein is dependent on its association with tropomyosin. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Dec 2008]

Function:

Tropomodulin is the actin-capping protein for the slow growing end of filamentous actin. Tropomodulin 2 is a neuronal specific isoform which is the major binding protein to brain tropomyosin in rat.

Subunit:

Binds to the N-terminus of tropomyosin and to actin.

Subcellular Location:

Cytoplasm; cytoskeleton

Tissue Specificity:

Neuronal-tissue specific.

Similarity:

Belongs to the tropomodulin family.

SWISS:

Q9NZR1

Gene ID:

29767

Database links:

[Entrez Gene: 29767](#) Human

[Entrez Gene: 50876](#) Mouse

[Entrez Gene: 58814](#) Rat

[Omin: 602928](#) Human

[SwissProt: Q9NZR1](#) Human

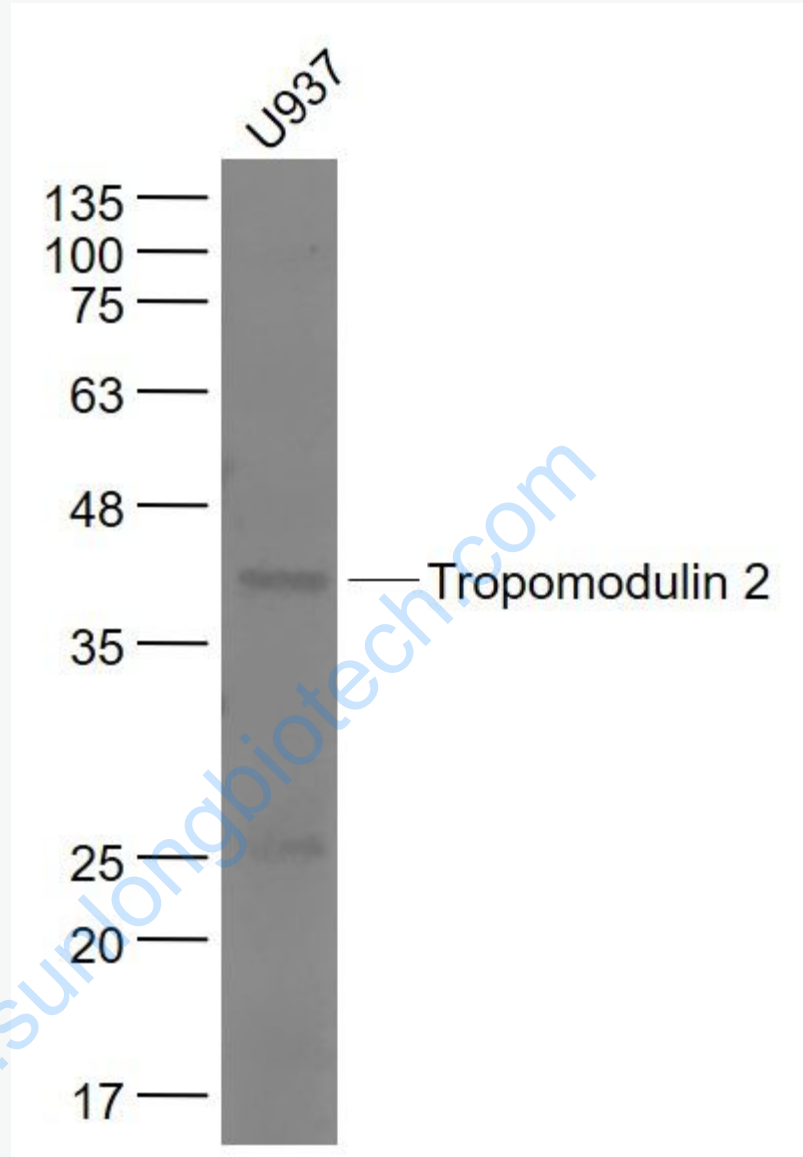
[SwissProt: Q9JKK7](#) Mouse

[SwissProt: P70566](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

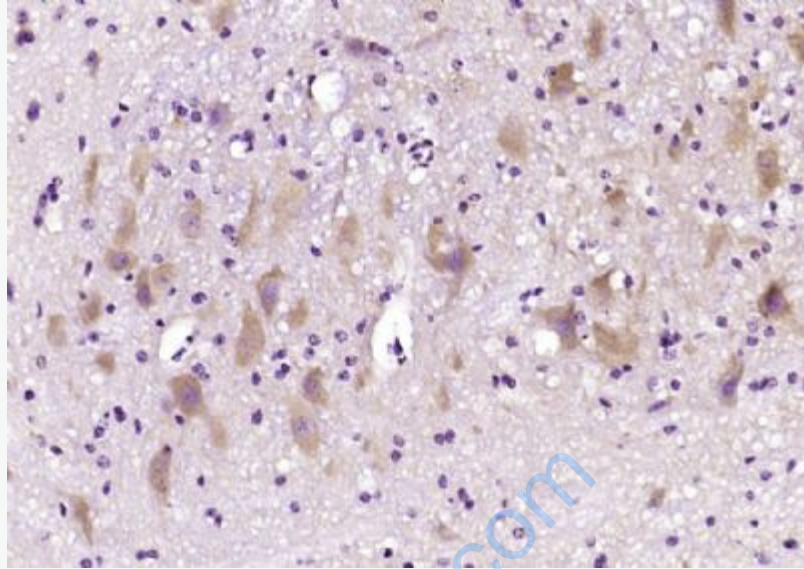
U937(Human) Cell Lysate at 30 ug

Primary: Anti- Tropomodulin 2 (SL17155R) at 1/1000 dilution

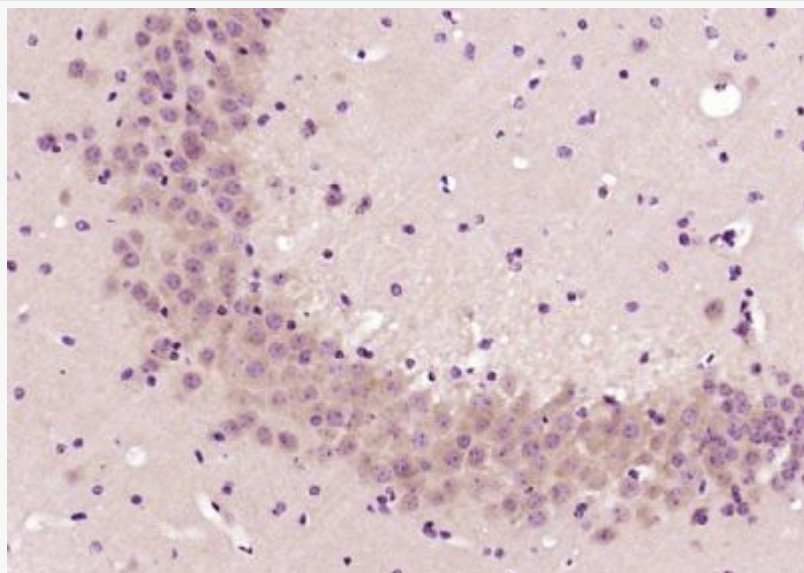
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 40 kD



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tropomodulin 2) Polyclonal Antibody, Unconjugated (SL17155R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tropomodulin 2) Polyclonal Antibody, Unconjugated (SL17155R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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