

Rabbit Anti-TXLNB antibody

SL12153R

Product Name TXLNB

Chinese Name β -taxilin 蛋白抗体

Alias Beta-taxilin; C6orf198; dJ522B19.2; DKFZp451A175; hMDP77; LST001; MDP77; Muscle-derived protein 77; RP3-522B19.2; Txlnb; TXLNB_HUMAN.

Research Area Neurobiology Signal transduction

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Horse, Sheep,)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 76kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human TXLNB: 331-430/684

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed [PubMed](#)

Product Beta-taxilin promotes nerve regeneration and may be involved in intracellular vesicle

Detail

transport. Expressed predominantly in cardiac and skeletal muscle, beta-taxilin binds to the coiled coil region of the syntaxin family members STX1A, STX3A, and STX4A. Beta- and gamma-taxilins, bind to the alpha subunit of the nascent polypeptide-associated complex (NAC) and affect its nuclear distribution, suggesting that the taxilin family is involved not only in the translational process through its interaction with NAC but also in the transcriptional process through its interaction with alphaNAC alone.

Function:

Promotes motor nerve regeneration (By similarity). May be involved in intracellular vesicle traffic.

Subunit:

Binds to the C-terminal coiled coil region of syntaxin family members STX1A, STX3A and STX4A. Has a preference for STX1A.

Tissue Specificity:

Expressed in skeletal muscle.

Similarity:

Belongs to the taxilin family.

SWISS:

Q8N3L3

Gene ID:

167838

Database links:

[Entrez Gene: 167838](#) Human

[Entrez Gene: 378431](#) Mouse

[Entrez Gene: 308622](#) Rat

[Omim: 611438](#) Human

[SwissProt: Q8N3L3](#) Human

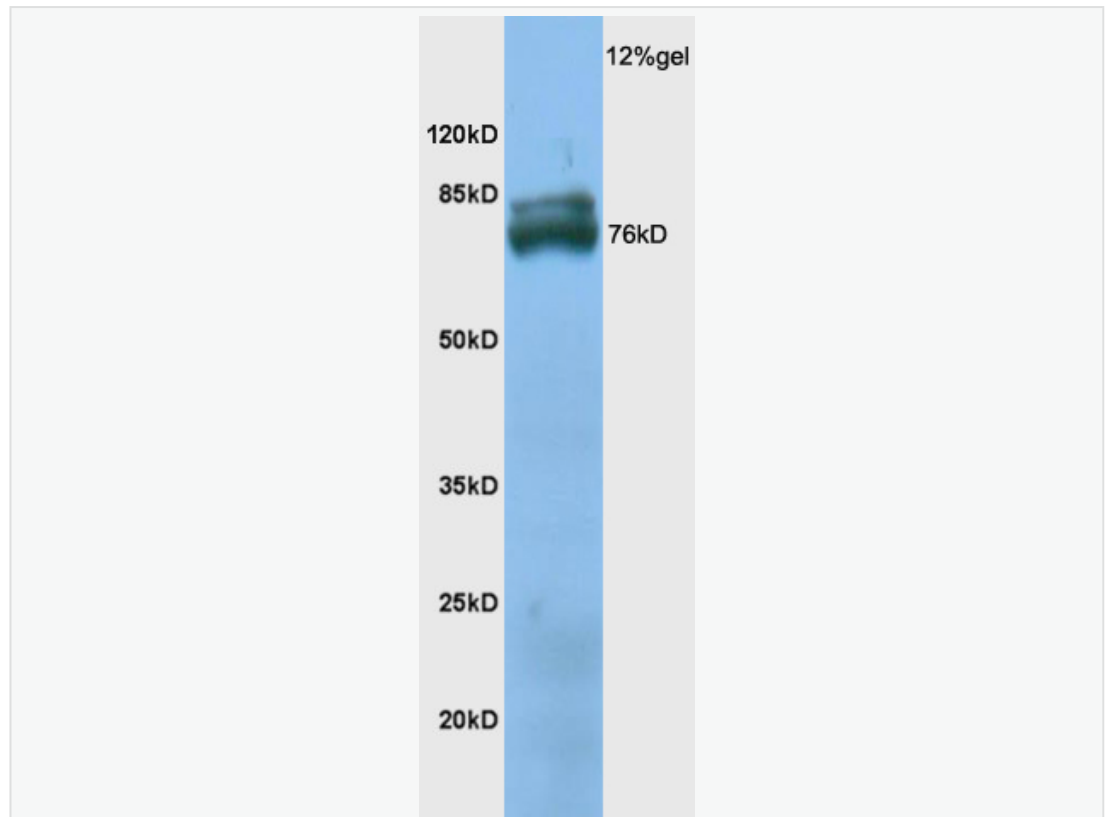
[SwissProt: Q8VBT1](#) Mouse

[Unigene: 535820](#) Human

[Unigene: 283493](#) Mouse

[Unigene: 165855](#) Rat

**Product
Picture**



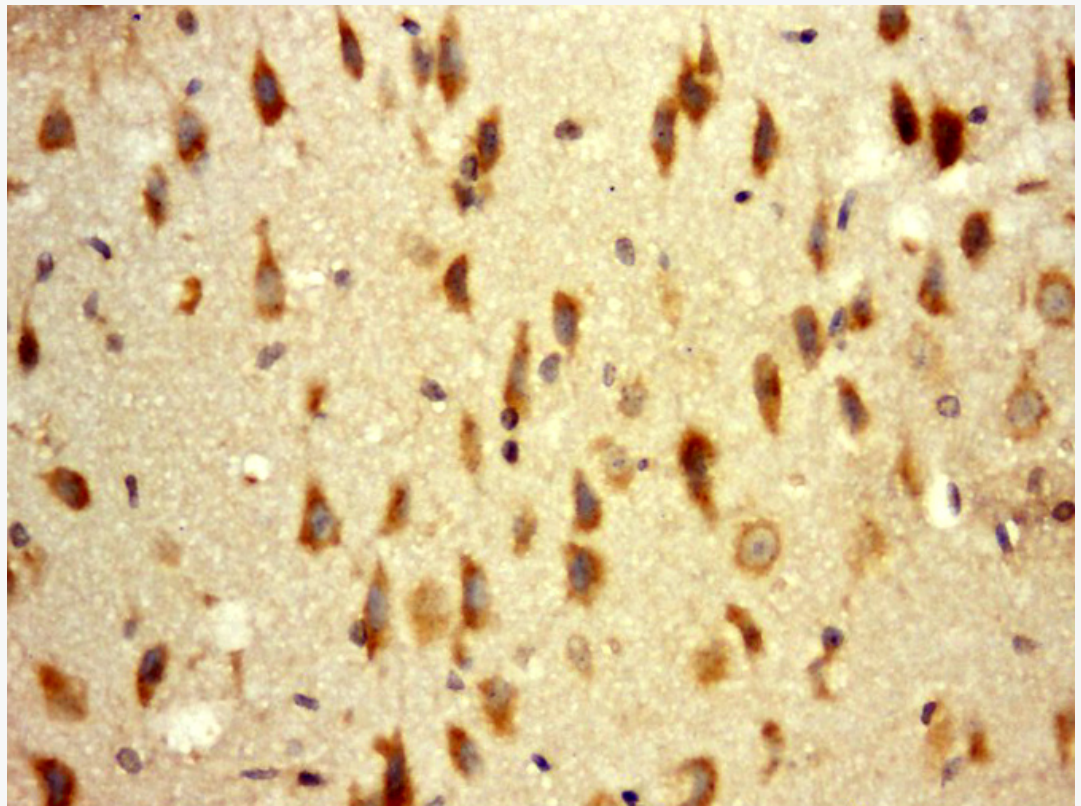
Sample: Muscle (Mouse) Lysate at 40 ug

Primary: Anti-TXLNB (SL12153R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL0295G-HRP) at 1/5000 dilution

Predicted band size: 76 kD

Observed band size: 76 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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 (TXLNB) Polyclonal Antibody, Unconjugated (SL12153R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.