

## Rabbit Anti-TXLNG antibody

SL0631R

**Product Name** TXLNG

**Chinese Name** 脂多糖相关反应蛋白 5/ $\gamma$ -taxilin 抗体

**Alias** chromosome X open reading frame 15; LSR5; CXorf15; Environmental lipopolysaccharide-responding gene protein; factor inhibiting activating transcription factor 4 (ATF4)-mediated transcription; Factor inhibiting ATF4-mediated transcription antibody FIAT; Gamma-taxilin; Lipopolysaccharide-specific response protein 5; LSR5; TXLNG\_HUMAN.

**Research Area** Cell biology Stem cells transcriptional regulatory factor Epigenetics

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, )  
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

**Applications** (Paraffin sections need antigen repair )  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 60kDa

**Cellular localization** The nucleus cytoplasmic The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human TXLNG: 466-528/528

**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](#)

This gene encodes a member of the taxilin family. The encoded protein binds to the C-terminal coiled-coil region of syntaxin family members 1A, 3A and 4A, and may play a role in intracellular vesicle trafficking. This gene is up-regulated by lipopolysaccharide and the gene product may be involved in cell cycle regulation. The related mouse protein was also shown to inhibit activating transcription factor 4-mediated transcription and thus regulate bone mass accrual. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009].

**Function:**

May be involved in intracellular vesicle traffic. Inhibits ATF4-mediated transcription, possibly by dimerizing with ATF4 to form inactive dimers that cannot bind DNA. May be involved in regulating bone mass density through an ATF4-dependent pathway. May be involved in cell cycle progression.

**Subunit:**

Binds to the C-terminal coiled coil region of syntaxin family members STX1A, STX3A and STX4A. Forms a heterodimer with ATF4 in osteoblasts.

**Subcellular Location:**

Nucleus membrane. Cytoplasm, cytosol.

**Product  
Detail**

**Tissue Specificity:**

Ubiquitously expressed. Expressed at high level in heart and skeletal muscle. Expressed in brain, placenta, lung, liver, kidney and pancreas.

**Similarity:**

Belongs to the taxilin family.

**SWISS:**

Q9NUQ3

**Gene ID:**

55787

**Database links:**

[Entrez Gene: 353170](#) Mouse

[SwissProt: Q8BHN1](#) Mouse

[Unigene: 270186](#) Mouse



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[Unigene: 371732](#) Mouse