



Rabbit Anti-Gamma-taxilin antibody

SL0631R

Product Name:	Gamma-taxilin
Chinese Name:	脂多糖相关反应蛋白5/ γ -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; TXLNG_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Gamma-taxilin:466-538/538
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 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.

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:

Q8BHN1

Gene ID:

353170

Database links:

[Entrez Gene: 353170](#) Mouse

[SwissProt: Q8BHN1](#) Mouse

[Unigene: 270186](#) Mouse

[Unigene: 371732](#) Mouse

Important Note:

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

