



Rabbit Anti-TSPEAR antibody

SL9577R

Product Name:	TSPEAR
Chinese Name:	早期未分化视网膜及晶状体蛋白EURL抗体
Alias:	C21orf14; C21orf38; C21orf7; Chromosome 21 open reading frame 38; Chromosome 21 open reading frame 91; Early undifferentiated retina and lens; EURL; Protein EURL homolog; YG81; TSEAR HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,
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:	72kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TSPEAR/C21orf9:581-669/669
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:	TSPEAR, also known as C21orf9, is a 669 amino acid secreted protein. Expressed as two isoforms produced by alternative splicing, TSPEAR contains one Thrombospondin N-terminal domain and seven EAR (epilepsy-associated repeat) domains. EAR domains are found in several proteins, including TSPEAR, encoded by genes that map within chromosome regions associated with seizure disorders. It is thought that the EAR

domain plays a role in the pathogenesis of epilepsy by either binding to an unknown epileptic ligand or interfering with axon synaptogenesis.

Function:

C21orf91 belongs to the EURL family. There are three named isoforms. The exact function of C21orf91 remains unknown.

Subcellular Location:

Secreted.

Similarity:

Contains 7 EAR repeats.

Contains 1 laminin G-like domain.

SWISS:

Q9NYK6

Gene ID:

54149

Database links:

[Entrez Gene: 54149](#)Human

[Entrez Gene: 67102](#)Mouse

[Entrez Gene: 360692](#)Rat

[SwissProt: Q9NYK6](#)Human

[SwissProt: Q9D7G4](#)Mouse

Important Note:

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