



## Rabbit Anti-Claudin 11/Oligodendrocyte Specific Protein antibody

SL21509R

<b>Product Name:</b>	Claudin 11/Oligodendrocyte Specific Protein
<b>Chinese Name:</b>	少突胶质细胞Transmembrane protein抗体
<b>Alias:</b>	Oligodendrocyte Specific Protein; Oligodendrocyte transmembrane protein; Claudin 11; claudin11; claudin-11; CLDN 11; CLDN11; Oligodendrocyte transmembrane protein; OSP; OTM.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	22kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse Claudin 11/Oligodendrocyte Specific Protein :150-207/207<Cytoplasmic>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Oligodendrocyte specific protein (OSP)is the third most abundant component of central nervous system myelin. The claudin superfamily consists of many structurally related

proteins. These proteins, which include claudin 1 through 18, are located in both epithelial and endothelial cells in all tight junction bearing tissues. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. There is growing evidence that OSP/Claudin 11 determines the permeability between layers of myelin sheaths via focal adhesion. Its expression is highly regulated during development, suggesting that it may play an important role in the growth and differentiation of oligodendrocytes and other cells outside the CNS. In addition, the protein is a candidate autoantigen in the development of autoimmune demyelinating disease.

**Subunit:**

Interacts with tetraspanin-3/TSPAN3.

**Subcellular Location:**

Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the claudin family.

**SWISS:**

Q60771

**Gene ID:**

18417

**Database links:**

[Entrez Gene: 508268](#).Cow

[Entrez Gene: 5010](#)Human

[Entrez Gene: 18417](#)Mouse

[Entrez Gene: 84588](#)Rat

[Ommim: 601326](#)Human

[SwissProt: Q3MHK4](#)Cow

[SwissProt: O75508](#)Human

[SwissProt: Q60771](#)Mouse

[SwissProt: Q99P82](#)Rat

[Unigene: 31595](#)Human

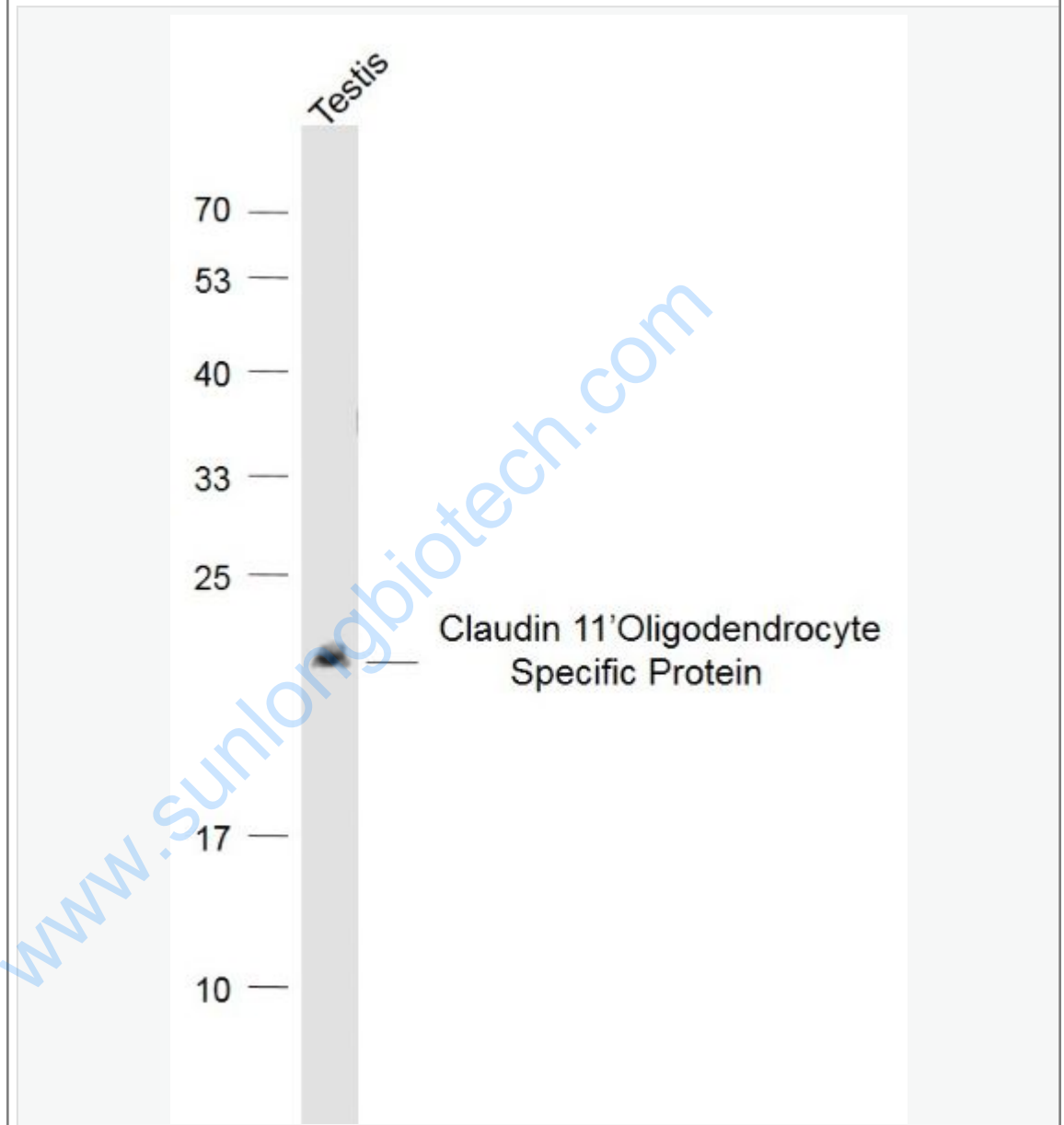
[Unigene: 4425](#)Mouse

[Unigene: 8282](#)Rat

**Important Note:**

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

**Picture:**



Sample:

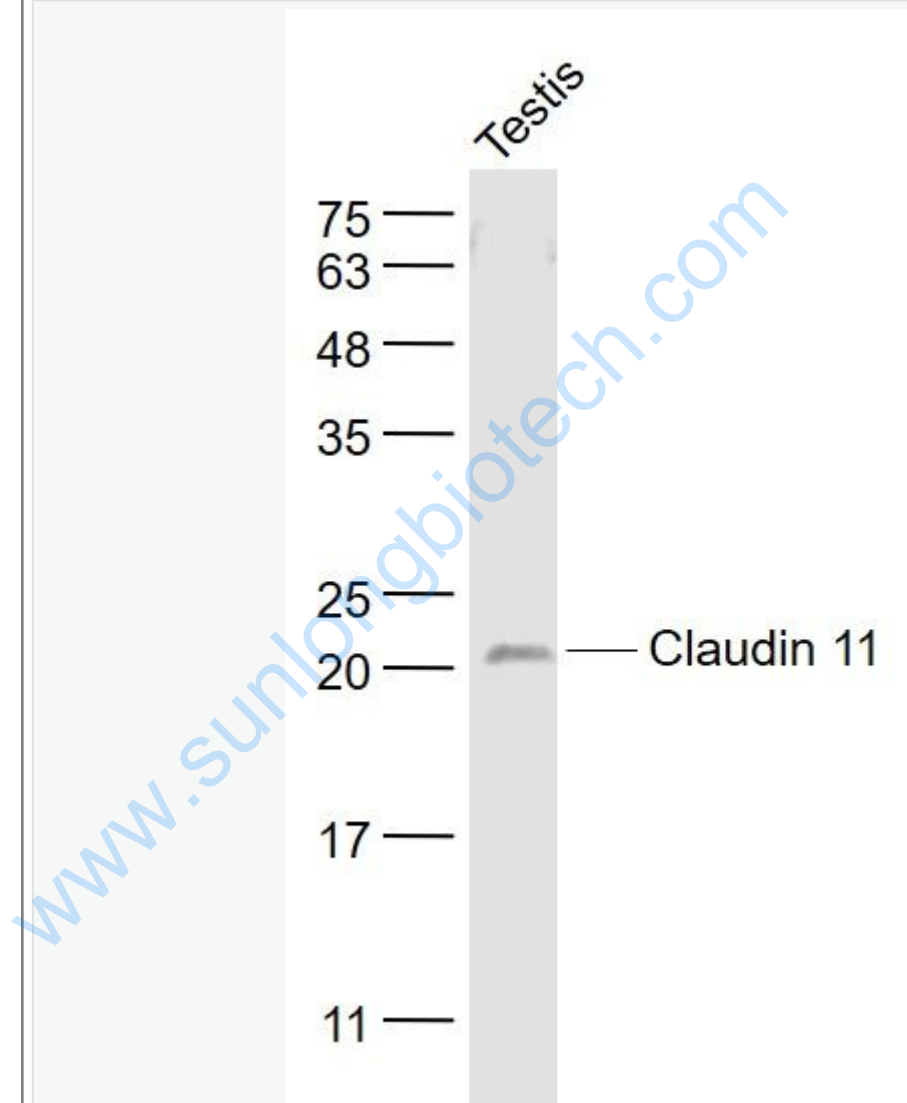
Testis (Mouse) Lysate at 40 ug

Primary: Anti-Claudin 11'Oligodendrocyte Specific Protein (SL21509R) at 1/1000 dilution

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

Predicted band size: 22 kD

Observed band size: 22 kD



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Testis (Mouse) Lysate at 40 ug

Primary: Anti- Claudin 11 (SL21509R) at 1/1000 dilution

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	<p>Predicted band size: 22 kD</p>
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