



## Rabbit Anti-Wnt11 antibody

SL8568R

<b>Product Name:</b>	Wnt11
<b>Chinese Name:</b>	信号通路Wnt11抗体
<b>Alias:</b>	HWNT11; Protein Wnt-11; Wingless-related MMTV integration site 11; Wingless-type MMTV integration site family, member 1; Wingless-type MMTV integration site family, member 11; Wingless-type MMTV integration site family, member 11B; wnt-11; wnt11b.WNT11_HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<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>	36kDa
<b>Cellular localization:</b>	Extracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Wnt11:151-250/354
<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>	The Wnt genes belong to a family of protooncogenes with at least 13 known members that are expressed in species ranging from Drosophila to man. The name Wnt denotes the relationship of this family to the Drosophila segment polarity gene "wingless" and to its vertebrate ortholog, Int-1, a mouse proto-oncogene. Transcription of Wnt family

genes appears to be developmentally regulated in a precise temporal and spatial manner. The Wnt genes encode cysteine-rich putative glycoproteins which have features typical of secreted growth factors. Wnt-11 is expressed in the tips of ureteric buds and in the perichondrium, a stem cell-like layer that surrounds the future bones and directs their growth and regeneration. Wnt-11 activity is required for cells to undergo correct convergent extension movements during gastrulation. Human Wnt-11 is also expressed in the lung mesenchyme, the urorectal septum, the urogenital folds, the labioscrotal swellings, and the cortex of the adrenal gland. Unlike other Wnt family members, Wnt-11 is not expressed in the neuroepithelium of the central nervous system. Wnt-11, along with Wnt-8c, is expressed in the posterior region of the chick embryo in the caudal paraxial mesoderm that underlies the prospective caudal neural plate. The gene which encodes Wnt-11 maps to human chromosome 11q13.5.

**Function:**

Wnt11 is a non-canonical Wnt which is expressed in androgen-independent prostate cancer cell lines and prostate tumours. It is involved in development, including cardiac and gut development.

**Subcellular Location:**

Secreted; extracellular space; extracellular matrix.

**Tissue Specificity:**

Expressed in fetal lung, kidney, adult heart, liver, skeletal muscle, and pancreas.

**Post-translational modifications:**

Palmitoylation at Ser-215 is required for efficient binding to frizzled receptors. It is also required for subsequent palmitoylation at Cys-80. Palmitoylation is necessary for proper trafficking to cell surface (By similarity).

**Similarity:**

Belongs to the Wnt family.

**SWISS:**

O96014

**Gene ID:**

7481

**Database links:**

[Entrez Gene: 7481](#)Human

[Entrez Gene: 22411](#)Mouse

[Entrez Gene: 140584](#)Rat

[Omim: 603699](#)Human

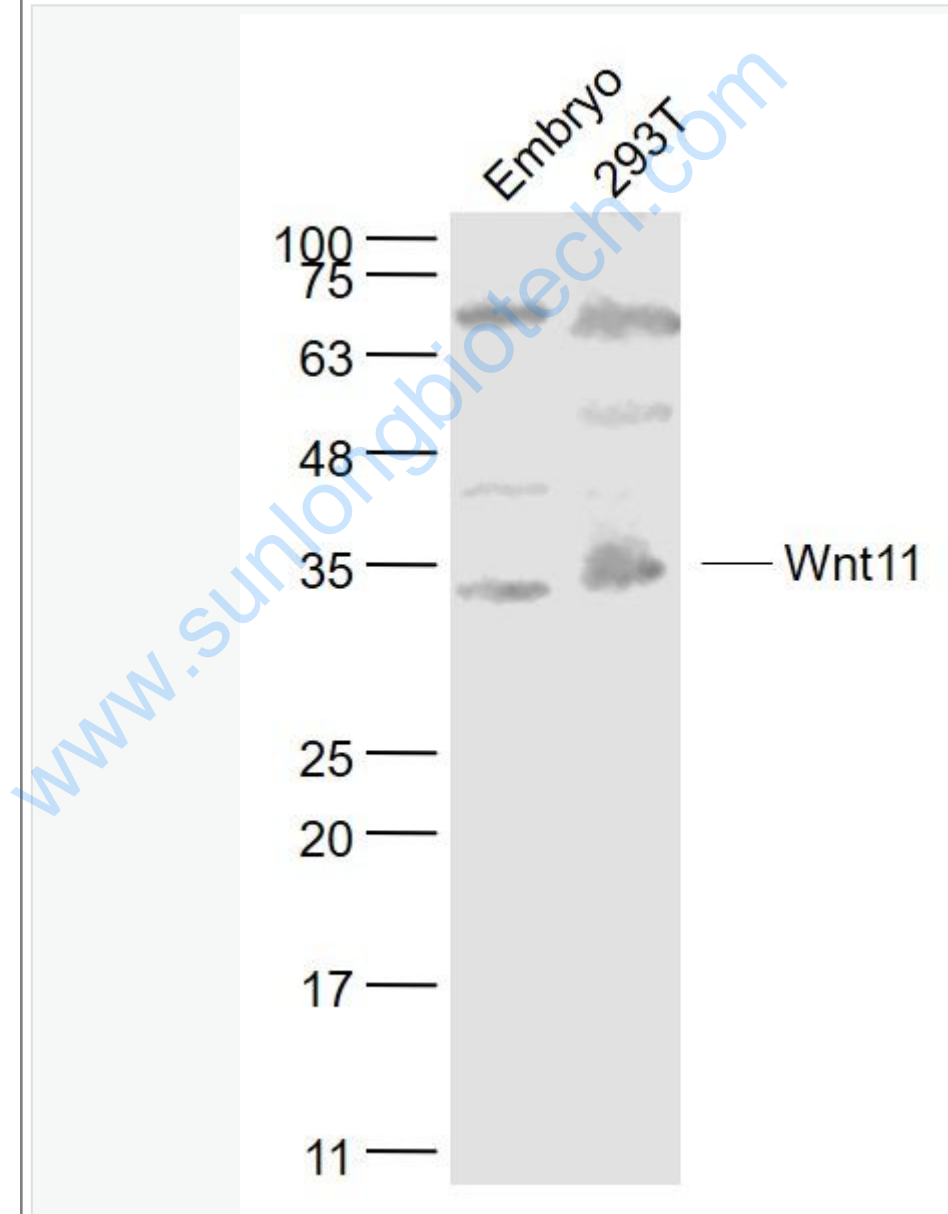
[SwissProt: O96014](#)Human

[SwissProt: P48615](#)Mouse

**Important Note:**

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

Picture:



Sample:

Embryo (Mouse) Lysate at 40 ug

293T(Human) Cell Lysate at 30 ug

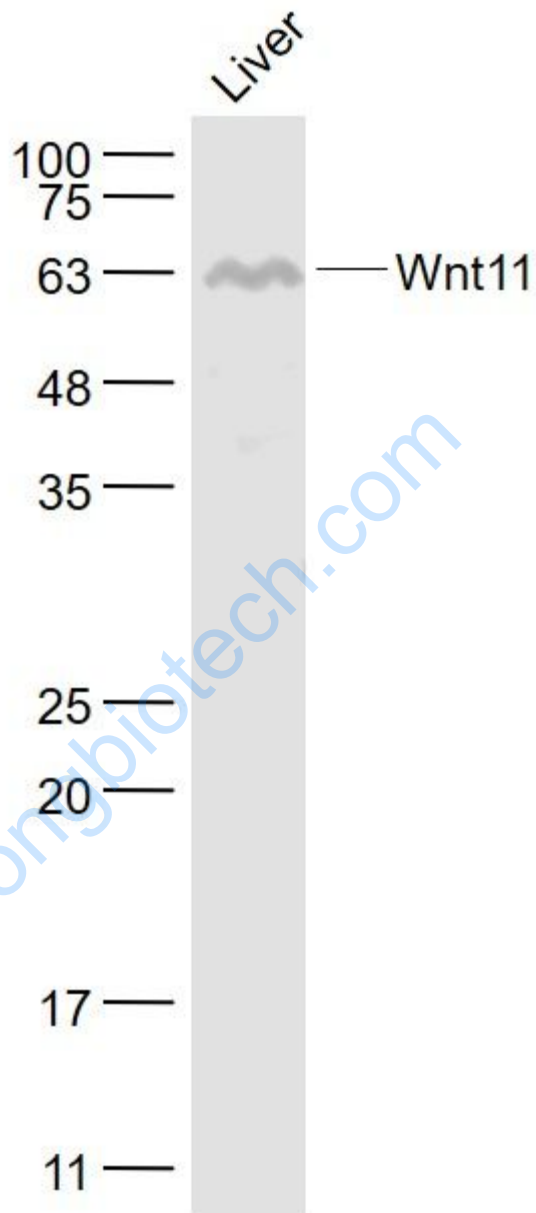
Primary: Anti- Wnt11 (SL8568R) at 1/1000 dilution

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

Predicted band size: 36 kD

Observed band size: 35 kD

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Sample:

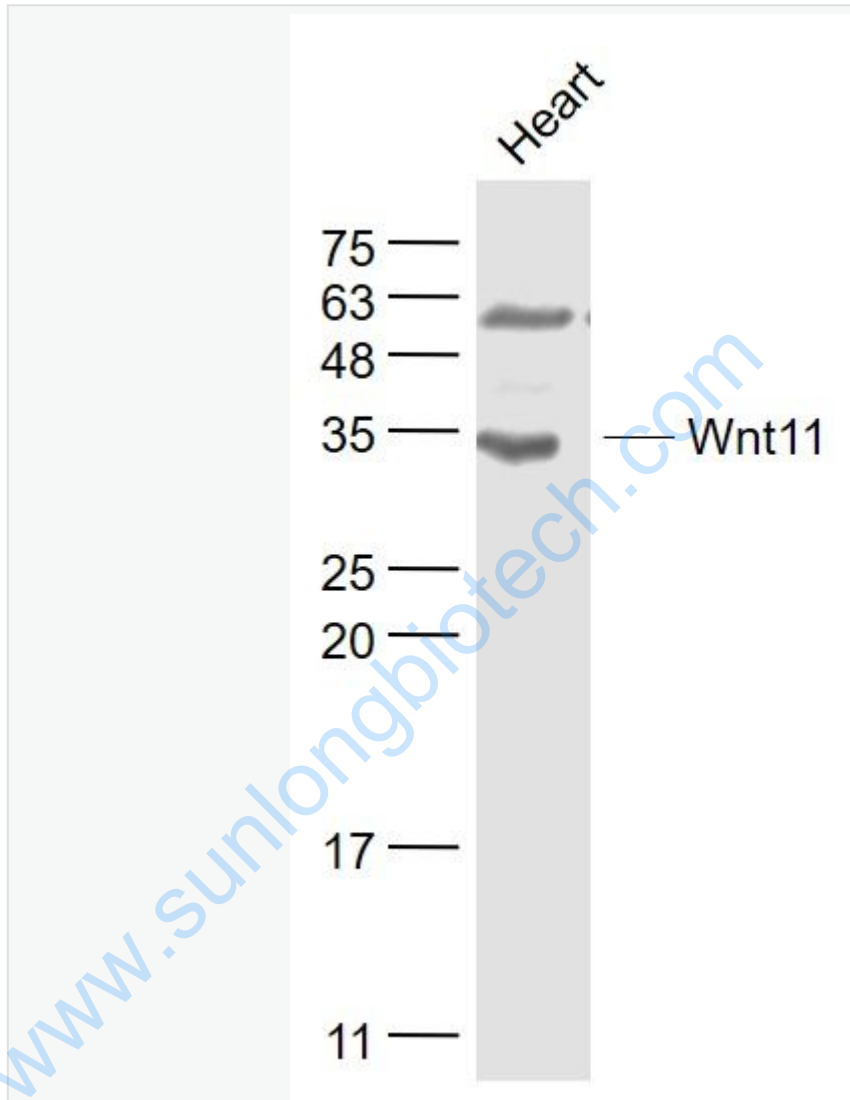
Liver (Mouse) Lysate at 40 ug

Primary: Anti- Wnt11 (SL8568R) at 1/1000 dilution

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

Predicted band size: 36 kD

Observed band size: 63 kD



Sample:

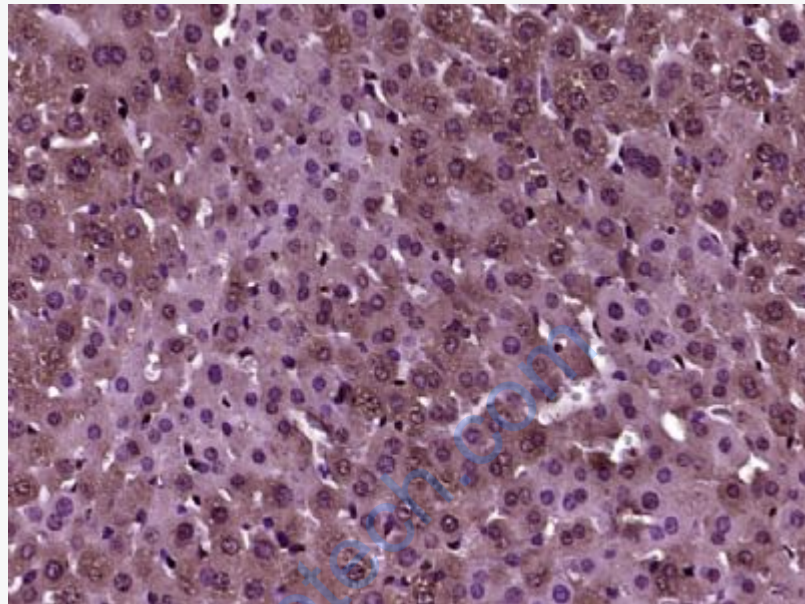
Heart (Mouse) Lysate at 40 ug

Primary: Anti- Wnt11 (SL8568R) at 1/1000 dilution

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

Predicted band size: 36 kD

Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (mouse liver tissue); 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 (Wnt11) Polyclonal Antibody, Unconjugated (SL8568R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.