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Rabbit Anti-WNT7A antibody

SL6645R

Product Name:	WNT7A
Chinese Name:	原癌基因wnt7a蛋白抗体
Alias:	Protein Wnt-7a; wnt 7a;Protein Wnt-7a precursor; proto-oncogene wnt7a protein; wingless-type MMTV integration site family, member 7A; WNT7A; WNT7A_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	41kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human WNT7A:241-349/349
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:	Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. Signaling by Wnt-7a allows sexually dimorphic development of the mullerian ducts. **Function:**

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Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. Signaling by Wnt-7a allows sexually dimorphic development of the mullerian ducts (By similarity).

Subunit:
Interacts with PORCN.

Subcellular Location:
Secreted, extracellular space, extracellular matrix.

Tissue Specificity:
Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.

DISEASE:
Defects in WNT7A are the cause of limb pelvis hypoplasia aplasia syndrome (LPHAS) [MIM:276820]. A syndrome of severe deficiency of the extremities due to hypo- or aplasia of one or more long bones of one or more limbs. Pelvic manifestations include hip dislocation, hypoplastic iliac bone and aplastic pubic bones. Thoracic deformity, unusual facies and genitourinary anomalies can be present.
Defects in WNT7A are a cause of Fuhrmann syndrome (FUHRS) [MIM:228930]; also known as fibular aplasia or hypoplasia femoral bowing and poly- syn- and oligodactyly. Fuhrmann syndrome is a distinct limb-malformation disorder characterized also by various degrees of limb aplasia/hypoplasia and joint dysplasia.

Similarity:
Belongs to the Wnt family.

SWISS:
O00755

Gene ID:
7476

Database links:

Entrez Gene: 7476Human

Entrez Gene: 533782Cow

Entrez Gene: 607180Dog

Entrez Gene: 100055450Horse

Entrez Gene: 22421Mouse

Entrez Gene: 100355697Rabbit

Entrez Gene: 114850Rat

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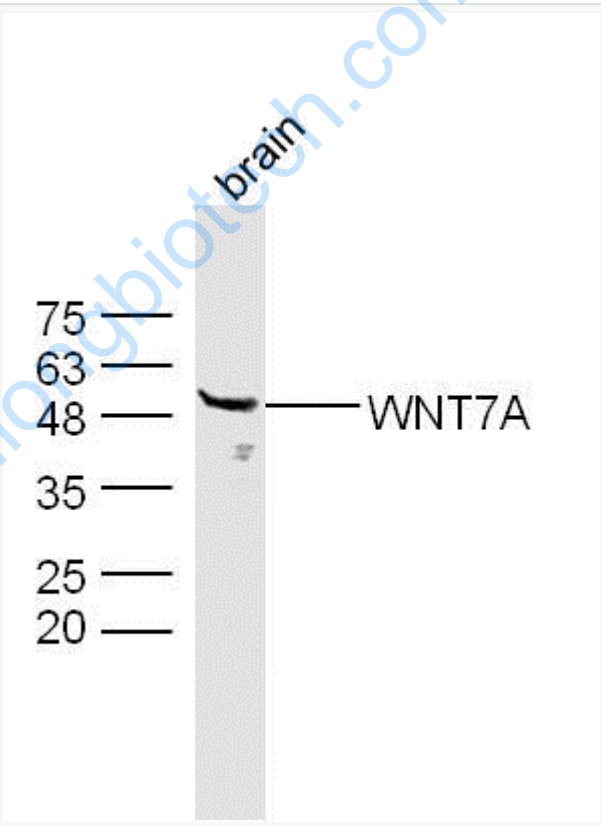
	Omim: 601570Human SwissProt: O00755Human SwissProt: P24383Mouse Unigene: 72290Human Unigene: 56964Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-WNT7A (SL6645R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD

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	Observed band size: 50 kD Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (WNT7A) Polyclonal Antibody, Unconjugated (SL6645R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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