

Rabbit WNT7A Polyclonal Antibody | anti-WNT7A antibody

WNT7A Antibody

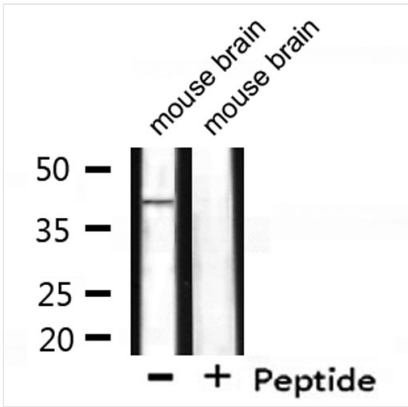
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327039	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

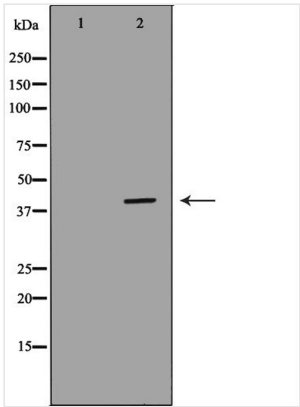
WNT7A; Polyclonal Antibody; WNT7A Antibody; Protein Wnt-7a; Protein Wnt-7a precursor; Proto oncogene Wnt7a protein; proto-oncogene wnt7a protein; wingless-type MMTV integration site family; member 7A; Wnt family member 7A; WNT7A_HUMAN; anti-WNT7A antibody

PRODUCT SPECIFICATIONS

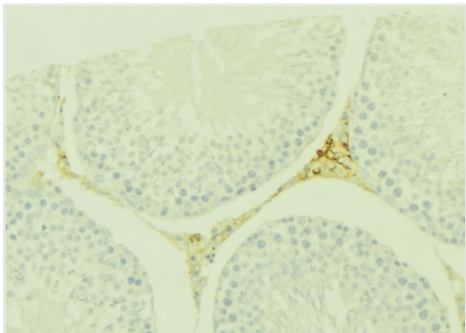
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WNT7A antibody detects endogenous levels of total WNT7A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	349
Applicable Applications for anti-WNT7A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human WNT7A
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (89%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using WNT7A Antibody.



WB (Western Blot)
Western blot analysis of extracts of mouse kidney, using WNT7A antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA327039 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-WNT7A antibody

Description: This gene is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzle phocomelia syndromes.

Function: Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). Plays an important role in embryonic development, including dorsal versus ventral patterning during limb development, skeleton development and urogenital tract development (PubMed:16826533). Required for normal, sexually dimorphic development of the Mullerian ducts, and for normal fertility in both sexes. Required for normal neural stem cell proliferation in the hippocampus dentate gyrus. Required for normal progress through the cell cycle in neural progenitor cells, for self-renewal of neural stem cells, and for normal neuronal differentiation and maturation. Promotes formation of synapses via its interaction with FZD5 (By similarity).

Subunit Structure: Forms a soluble 1:1 complex with AFM; this prevents oligomerization and is required for prolonged biological activity (PubMed:26902720). The complex with AFM may represent the physiological form in body fluids (PubMed:26902720). Interacts with FZD5. Interacts with PORCN (By similarity).

Post-translational Modifications: Palmitoleoylation is required for efficient binding to frizzled receptors. Depalmitoleoylation leads to Wnt signaling pathway inhibition.

Similarity: Belongs to the Wnt family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17505191
-----------	----------

NCBI GeneID	7476
NCBI Accession #	NP_004616.2
NCBI GenBank Nucleotide #	NM_004625.3
UniProt Accession #	O00755; Q96H90; Q9Y560
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	protein Wnt-7a
NCBI Official Synonym Full Names	Wnt family member 7A
NCBI Official Symbol	WNT7A
NCBI Protein Information	protein Wnt-7a
UniProt Protein Name	Protein Wnt-7a
UniProt Gene Name	WNT7A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/wnt7a-antibody-immunohistochemistry-western-blot-elisa/327039>