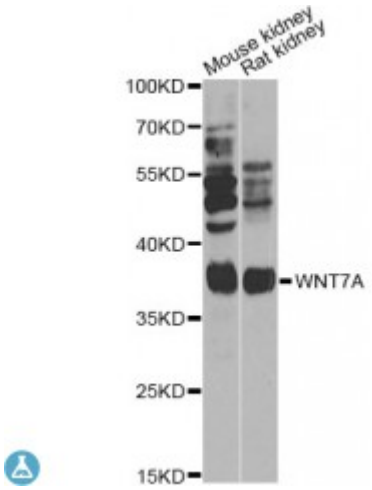
Anti-WNT7A Antibody



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 pattering and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzel phocomelia syndromes.

Model	STJ116127
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 63-150 of human WNT7A (NP_004616.2).
Gene ID	7476
Gene Symbol	WNT7A
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Protein Wnt-7a
Molecular Weight	39.005 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12786OMIM:228930Reactome:R-HSA-3238698
Alternative Names	Protein Wnt-7a
Function	Ligand for members of the frizzled family of seven transmembrane receptors, Functions in the canonical Wnt/beta-catenin signaling pathway , Plays an important role in embryonic development, including dorsal versus ventral patterning during limb development, skeleton development and urogenital tract development ,
Cellular Localization	Secreted, extracellular space, extracellular matrix
Post-translational Modifications	Palmitoleoylation is required for efficient binding to frizzled receptors, Depalmitoleoylation leads to Wnt signaling pathway inhibition,