Datasheet for ABIN6150248

anti-WNT5A antibody (AA 250-350)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	WNT5A
Binding Specificity:	AA 250-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human WNT5A (NP_003383.2).
Sequence:	KTCWLQLADF RKVGDALKEK YDSAAAMRLN SRGKLVQVNS RFNSPTTQDL VYIDPSPDYC VRNESTGSLG TQGRLCNKTS EGMDGCELMC CGRGYDQFKT V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	WNT5A

Target Details

Alternative Name:	WNT5A (WNT5A Products)
Background:	The WNT gene family consists of structurally related genes which 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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.,hWNT5A,Wnt5a,WNT5A,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Cancer,Tumor suppressors,Signal Transduction,G protein signaling,mTOR Signaling Pathway,Cell Biology & Developmental Biology,Microtubules,Wnt/β-Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Neuroscience,Stem Cells,WNT5A
Molecular Weight:	40 kDa/42 kDa
Gene ID:	7474
UniProt:	P41221
Pathways:	WNT Signaling, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Cell Size, Tube Formation

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

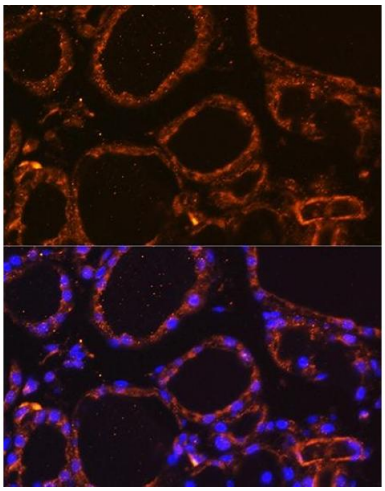
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

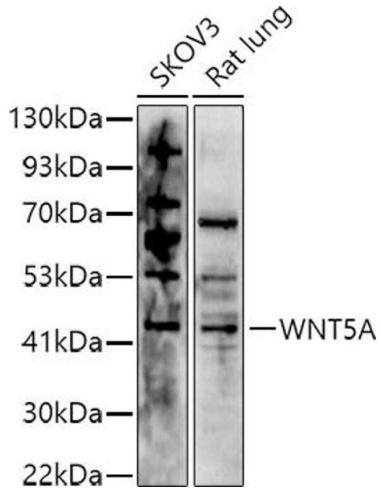
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



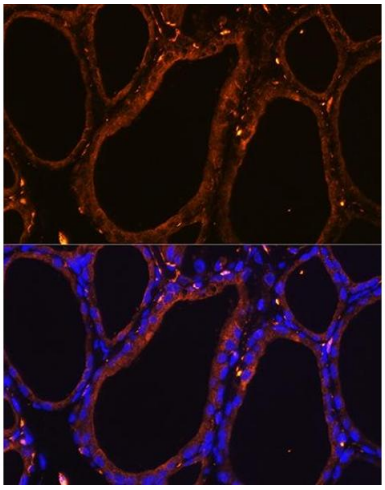
Immunofluorescence

Image 1. Immunofluorescence analysis of Mouse thyroid using WNT5A Rabbit pAb (ABIN6134458, ABIN6150248, ABIN6150249 and ABIN6216485) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using (ABIN6134458, ABIN6150248, ABIN6150249 and ABIN6216485) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



Immunofluorescence

Image 3. Immunofluorescence analysis of Rat thyroid using WNT5A Rabbit pAb (ABIN6134458, ABIN6150248, ABIN6150249 and ABIN6216485) at dilution of 1:100. Blue: DAPI for nuclear staining.