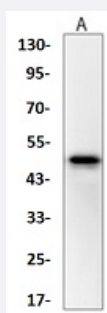


RecomAb™

# WNT5A recombinant monoclonal antibody

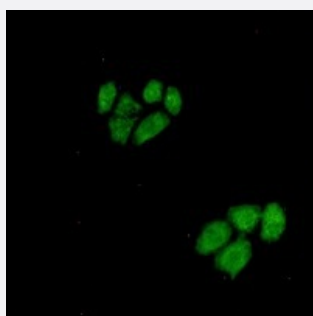
Catalog # RAB02559      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa (A) whole cell lysates with WNT5A recombinant monoclonal antibody (Cat # RAB02559).



### Immunofluorescence

Immunofluorescent analysis of HeLa cells with WNT5A recombinant monoclonal antibody (Cat # RAB02559). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human WNT5A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human WNT5A.
Theoretical MW (kDa)	45
Reactivity	Human

Specificity	Recognizes endogenous levels of Wnt-5a protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa (A) whole cell lysates with WNT5A recombinant monoclonal antibody (Cat # RAB02559).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescent analysis of HeLa cells with WNT5A recombinant monoclonal antibody (Cat # RAB02559). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

## Gene Info — WNT5A

Entrez GeneID	<a href="#">7474</a>
Protein Accession#	<a href="#">P41221</a>
Gene Name	WNT5A
Gene Alias	hWNT5A

Gene Description	wingless-type MMTV integration site family, member 5A
Omim ID	<a href="#">164975</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in Xenopus laevis embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction. [provided by RefSeq]</p>
Other Designations	WNT-5A protein

## Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)