# Wnt-5a Rabbit monoclonal antibody

Catalog: MB66405 Host: Rabbit Reactivity: Human

## BackGround:

Ligand for members of the frizzled family of seven transmembrane receptors. Can activate or inhibit canonical Wnt signaling, depending on receptor context. In the presence of FZD4, activates beta-catenin signaling. In the presence of ROR2, inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway which involves down-regulation of beta-catenin-induced reporter gene expression (By similarity).

Suppression of the canonical pathway allows chondrogenesis to occur and inhibits tumor formation. Stimulates cell migration. Decreases proliferation, migration, invasiveness and clonogenicity of carcinoma cells and may act as a tumor suppressor.

Mediates motility of melanoma cells.

Required during embryogenesis for extension of the primary anterior-posterior axis and for outgrowth of limbs and the genital tubercle. Inhibits type II collagen expression in chondrocytes (By similarity).

## Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

## Molecular Weight:

~ 45 kDa

## Swiss-Prot:

P41221

## Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

## Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/100)

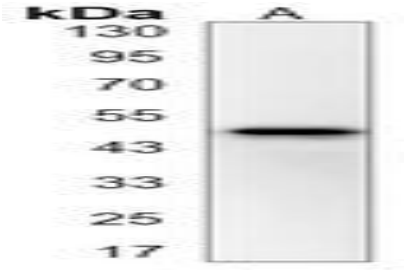
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

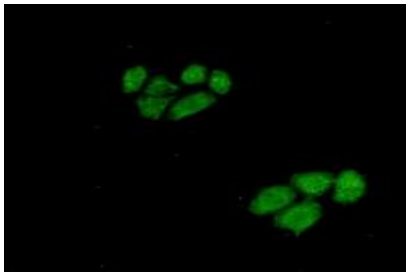
## Specificity:

Recognizes endogenous levels of Wnt-5a protein.

## DATA:




Western blot analysis of Wnt-5a expression in Hela (A) whole cell lysates.



Immunofluorescent analysis of Wnt-5a staining in HeLa cells. 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

## Note:

For research use only, not for use in diagnostic procedure.

**Bioworld Technology, Inc.**
**Add:** 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
**Email:** info@bioworlde.com
**Tel:** 6123263284
**Fax:** 6122933841

**Bioworld technology, co. Ltd.**
**Add:** No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
**Email:** info@biogot.com
**Tel:** 0086-025-68037686
**Fax:** 0086-025-68035151