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Wnt5A (C) Antibody, Mouse Monoclonal

Cat#: M0297-1

Quantity: 100 ul

Predicted | Observed M.W.: 42 | 50 kDa

Isotype: Mouse IgG1

Lot#: Refer to vial

Application: WB

Uniprot ID: P41221

Clone: 2F3

Background:

Wingless-type MMTV integration site family, member 5A (Wnt5A) is a ligand for members of the frizzled family of seven transmembrane receptors. Wnt5A can activate or inhibit canonical Wnt signaling, depending on receptor context. Wnt5A activates beta-catenin in the presence of FZD4 signaling. In contrast, in the presence of ROR2, Wnt5A inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway. Wnt5A promotes chondrogenesis by the suppression of the canonical pathway. Wnt5A may act as a tumor suppressor by inhibiting proliferation, migration, invasiveness and clonogenicity of carcinoma cells. Defects in WNT5A are the cause of Robinow syndrome autosomal dominant (DRS).

Other Names:

wingless-type MMTV integration site family, member 5A, Protein Wnt-5a, WNT5A, WNT-5A

Source and Purity:

Mouse monoclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human Wnt5A. Antibodies were purified by Caprylic Acid-Ammonium Sulfate precipitation.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 40% Glycerol, 0.02% Thimerosal. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

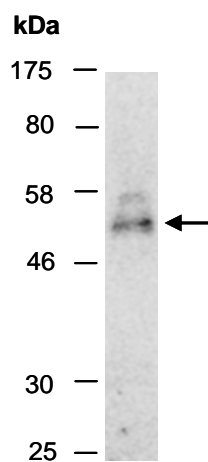


Fig 1. Western blot of total cell extracts from human Jurkat, using anti-Wnt5A (C) (M0297-1) at RT for 2 h.