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FAM123B (N) Antibody, Rabbit Polyclonal

Cat#: R2441-1

Quantity: 100 ul

Predicted | Observed M.W.: 124 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q5JTC6

Background:

Protein FAM123B is also known as APC membrane recruitment protein 1 (AMER1), which is a regulator of the canonical Wnt signaling pathway. FAM123B acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. FAM123B acts both as a positive and negative regulator of the Wnt signaling pathway, depending on the context: acts as a positive regulator by promoting LRP6 phosphorylation, while acts as a negative regulator by acting as a scaffold protein for the beta-catenin destruction complex and promoting stabilization of Axin at the cell membrane. FAM123B also promotes CTNNB1 ubiquitination and degradation.

Other Names:

APC membrane recruitment protein 1, Protein FAM123B, Wilms tumor gene on the X chromosome protein, AMER1, FLJ39827, RP11-403E24.2, WTX

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human FAM123B. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

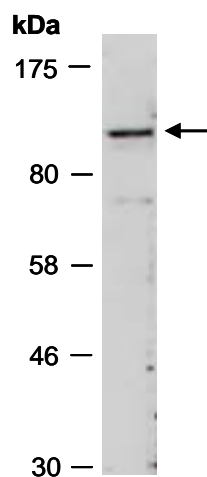


Fig 1. Western blot of total cell extracts from human Jurkat; using anti-FAM123B (N) (R2441-1) at RT for 2 h.