

WNT3A

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 39kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human WNT3A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

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Synonym:

Protein Wnt-3a; WNT3A;

Catalog #: A0642

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 89780

Isotype: IgG

Swiss Prot: P56704

Purity: Affinity purification

For research use only.

Background:

The Wnt family includes several secreted glycoproteins that play important roles in animal development (1). There are 19 Wnt genes in the human genome that encode functionally distinct Wnt proteins (2). Wnt members bind to the Frizzled family of seven-pass transmembrane proteins and activate several signaling pathways (3). The canonical Wnt/-catenin pathway also requires a coreceptor from the low-density lipoprotein receptor family (4). Aberrant activation of Wnt signaling pathways is involved in several types of cancers (5). Wnt3a protein is palmitoylated and can function as a growth factor for hematopoietic stem cells (6). Although functionally distinct, Wnt3a shows high homology to Wnt3 (7).

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