

Wnt5a

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW:42kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human Wnt5a

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:

hWNT5A;

Catalog #:A2133

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:7474

Isotype:IgG

Swiss Prot:P41221

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). Wnt-5a has been shown to signal through the canonical Wnt pathways as well as through non-canonical pathways and is up-regulated in various types of human cancers (6-8). In melanoma, Wnt5a is thought to directly affect cell motility and metastasis (9).

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