Anti-Human /Mouse /Rat WNT5A Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03301

3th Edition

Description: The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.WNT5A (Wnt Family Member 5A) is a Protein Coding gene. Diseases associated with WNT5A include Robinow Syndrome, Autosomal Dominant 1 and Autosomal Dominant Robinow Syndrome. Among its related pathways are Validated targets of C-MYC transcriptional repression and Wnt Signaling Pathways: beta-Catenin-independent Wnt/Ca2+ Signaling and Other Non-canonical Wnt Signaling Pathways. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and protein domain specific binding. An important paralog of this gene is WNT5B.

Antigen: Recombinant protein of human WNT5A

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expression is increased in differentiated thyroid carcinomas compared to normal thyroid tissue and anaplastic thyroid tumors where expression is low or undetectable. Expression is found in thyrocytes but not in stromal cells (at protein level).