

Anti-Human/Mouse/Rat WNT16 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA06263**

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 is a member of the WNT gene family. It contains two transcript variants diverging at the 5' termini. These two variants are proposed to be the products of separate promoters and not to be splice variants from a single promoter. They are differentially expressed in normal tissues, one of which (variant 2) is expressed at significant levels only in the pancreas, whereas another one (variant 1) is expressed more ubiquitously with highest levels in adult kidney, placenta, brain, heart, and spleen. WNT16 (Wnt Family Member 16) is a Protein Coding gene. Diseases associated with WNT16 include Nodular Basal Cell Carcinoma and Basal Cell Carcinoma. Among its related pathways are Wnt Signaling Pathways: beta-Catenin-independent Wnt/Ca²⁺ Signaling and Other Non-canonical Wnt Signaling Pathways and Transcription Androgen Receptor nuclear signaling. GO annotations related to this gene include receptor binding and frizzled binding. An important paralog of this gene is WNT7B.

Antigen:Synthesized peptide derived from the Internal region of human Wnt-16.

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:Isoform Wnt-16b is expressed in peripheral lymphoid organs such as spleen, appendix, and lymph nodes, in kidney but not in bone marrow. Isoform Wnt-16a is expressed at significant levels only in the pancreas.