

Anti-Human/Mouse FIG4 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA05051**

3th Edition

Description:FIG4 (FIG4 Phosphoinositide 5-Phosphatase) is a Protein Coding gene. Diseases associated with FIG4 include Polymicrogyria, Bilateral Temporooccipital and Yunis-Varon Syndrome. Among its related pathways are Inositol phosphate metabolism (KEGG) and PI Metabolism. GO annotations related to this gene include phosphatidylinositol-3-phosphatase activity and phosphatidylinositol bisphosphate phosphatase activity. The protein encoded by this gene belongs to the SAC domain-containing protein gene family. The SAC domain, approximately 400 amino acids in length and consisting of seven conserved motifs, has been shown to possess phosphoinositide phosphatase activity. The yeast homolog, Sac1p, is involved in the regulation of various phosphoinositides, and affects diverse cellular functions such as actin cytoskeleton organization, Golgi function, and maintenance of vacuole morphology. Membrane-bound phosphoinositides function as signaling molecules and play a key role in vesicle trafficking in eukaryotic cells. Mutations in this gene have been associated with Charcot-Marie-Tooth disease, type 4J.

Antigen:Synthesized peptide derived from human FIG4

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: