

FIG4 Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56584 (clone S202-7)

Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

The protein encoded by the *FIG4* gene belongs to the SAC domain-containing protein gene family. The SAC domain 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. Diseases associated with FIG4 include Polymicrogyria, Bilateral Temporooccipital and Charcot-Marie-Tooth Disease, Type 4J.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 688-907 (C-terminus) of mouse FIG4. This sequence is 95% identical in rat and 91% identical in human.

Accession nos: NP_598760.1, Q91WF7

Gene ID: 103199

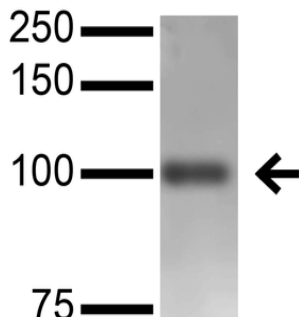
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human, mouse, and rat FIG4.

APPLICATIONS

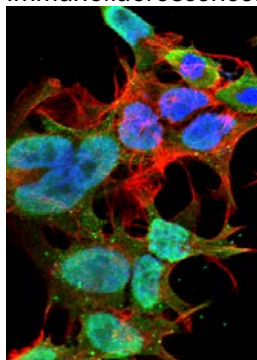
Immunoblotting: use at 1-5ug/ml. A band of ~100kDa is detected.



Detection of FIG4 in mouse brain lysate with #56584 at 5ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

Immunofluorescence: use at 10ug/ml.



Detection of FIG4 in neuroblastoma cell line SK-N-BE with #56584 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) FIG4 stain.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

FIG4 Monoclonal Antibody

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.