

Fibroblast Growth Factor 13 (FGF13) Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 30109 (clone S235-22)

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

BACKGROUND

FGF13 (also known as FGF2 and FHF2) is a member of the fibroblast growth factor family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. The *FGF13* gene is located in a region on chromosome X that is associated with Borjeson-Forssman-Lehmann syndrome (BFLS), making it a candidate gene for familial cases of BFLS and other syndromal and nonspecific forms of X-linked mental retardation mapping to this region. Alternative splicing of this gene at the 5' end results in several transcript variants encoding different isoforms with different N-termini.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 2-18 (AAAIASSLIRQKRQARE) of human FGF13. This sequence is 100% identical in rat, 94% identical in mouse, and >80% identical in FGF11, FGF12, and FGF14.

Accession nos: AAH34340, Q92913

Gene ID: 2258

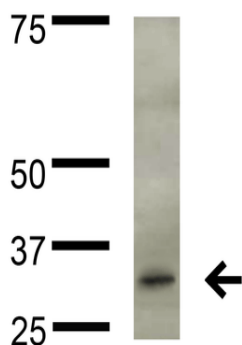
Host Species: Mouse

Antibody Class: IgG2b

Specificity: This antibody recognizes human, mouse, and rat FGF13.

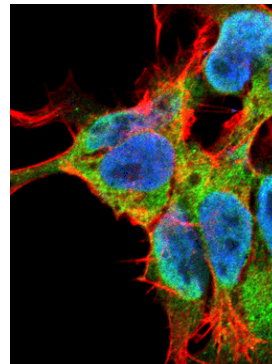
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~30kDa is detected.



Detection of FGF13 in rat brain lysate with #30109 at 5ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of FGF13 in neuroblastoma cell line SK-N-BE with #30109 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) FGF13 stain.

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

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DILUTION INSTRUCTIONS

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

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.