OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM60047PU-N

FGF13 (N-term) Mouse Monoclonal Antibody [Clone ID: S235-22]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S235-22
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot:** 1/1000; 1µg/ml was sufficient for detection of FGF13 (pan) in 20 µg of rat brain lysate by colorimetric immunoblot using HRP conjugated secondary antibody. **Immunocytochemistry.** **Immunohistochemistry:** Free floating sections, fixed in formaldehyde.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 2-18 of human FGF13 protein.
Specificity:	This antibody detects a 30 kDa protein. Does not cross-react with FGF13B/FHF2B. Cross reacts with FGF12A/FHF1A, FGF14A/FHF4A and FGF11A/FHF3A (80% sequence identity).
Formulation:	PBS pH 7.4, 50% Glycerol, 0,09% Sodium azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	fibroblast growth factor 13
Database Link:	Entrez Gene 2258 Human Q92913

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Background:

FGF13 (Fibroblast growth factor 13), also called FHF2 is a protein that in humans is encoded by the FGF13 gene.The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF13is a large gene, extending over approximately 200 kb in Xq26.3, and contains at least 7 exons. By cytogenetic, FISH, and database analysis, *Gecz et al. (1999)* localized the FGF13 gene within a 400-kb duplication interval on chromosome Xq26.3. 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.
This gene is located to a region associated with Borjeson-Forssman-Lehmann syndrome (BFLS), a syndromal X-linked mental retardation, which suggests it may be a candidate gene for familial cases of the BFL syndrome. The function of this gene has not yet been determined. Two alternatively spliced transcripts encoding different isoforms have been described for this gene.

Synonyms:

FGF-13, FHF2, Fibroblast growth factor 13, Fibroblast growth factor homologous factor 2, FGFA, FHFA