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Datasheet for 200-303-W62

FGFA/FHFA (pan) Antibody Peroxidase

Overview

Description:	Anti-FGFA/FHFA (pan) (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-W62
Item No.:	200-303-W62
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

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. Other areas of interests and use for researchers include cancer, borjeson-forssman-lehmann syndrome, regulation of actin cytoskeleton pathways, apoptosis, GPCR pathways, TGF-Beta pathways, and Rho family GTPase pathways. 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:	Acidic fibroblast growth factor, AFGF, Beta endothelial cell growth factor, Fibroblast growth factor homologous factor 2A, Fibroblast growth factor 13A, FGF13A, Beta-endothelial cell growth factor, ECGF, ECGFA antibody, ECGFB, FHF-2, FHF2, FHF13, Fibroblast growth factor homologous factor 2, Fibroblast growth factor 13
Host Species:	Mouse
Conjugate:	Peroxidase (HRP)
Clonality:	Monoclonal
Clone ID:	S235-22

Format:	IgG2b

Target Details

Gene Name:	FGF13
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FGFA/FHFA (pan) Antibody was produced by repeated immunization of mice with a synthetic peptide containing amino acids 2-18 of human FHF2A.
Purity/Specificity:	Anti-FGFA/FHFA (pan) Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 94% identical to mouse, 100% identical to rat and >80% identical to FGF12A/FHF1A, FGF14A/FHF4A, and FGF11A/FHF3A.
Relevant Links:	• UniProtKB - Q92913 • GeneID - 2258

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-FGFA/FHFA (pan) HRP Conjugated Antibody is tested for Western Blots, Immunohistochemistry and Immunocytochemistry. Expect a band approximately ~30 kDa on specific lysates or tissues. Does not cross react with FGF13B/FHF2B. Will cross react with FGF12A/FHF1A and FGF14A/FHF4A. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	User Optimized
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide and 0.23mM Citrate in dH2O.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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