

Datasheet for 200-305-W62

FGFA/FHFA (pan) Antibody Alkaline Phosphatase

Overview

Description:	Anti-FGFA/FHFA (pan) (MOUSE) Monoclonal Antibody Alkaline Phosphatase Conjugated - 200-305-W62
Item No.:	200-305-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. FGF13 is 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:	Alkaline Phosphatase (AP)
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](#)
- [GenelD - 2258](#)

Application Details

Tested Applications: IHC, WB

Application Note: Anti-FGFA/FHFA (pan) Alkaline Phosphatase 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

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative:	0.1% (w/v) Sodium Azide
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Stabilizer:	50% (v/v) Glycerol
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Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
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Expiration:	Expiration date is one (1) year from date of receipt.
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Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.