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Datasheet for 600-401-BK1

GDF1 Antibody

Overview

Description:	Anti-GDF1 (RABBIT) Antibody - 600-401-BK1
Item No.:	600-401-BK1
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Growth differentiation factors (GDFs) are members of the transforming growth factor (TGF) superfamily that is involved in embryonic development and adult tissue homeostasis. GDF1 was initially identified as a temporally expressed gene in the mouse central nervous system during embryonic development, with only one isoform detected in adult tissues. GDF1 is required for left-right patterning during development and directly interacts with Nodal, another member of the TGF-beta superfamily. It has been suggested that GDF1 regulates the activity and signaling range of Nodal through direct interaction.
Synonyms:	GDF1 Antibody, RAI, DORV, DTGA3GDF-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GDF1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- GDF1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human GDF1.

Purity/Specificity:	Anti-GDF1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. GDF1 antibody is predicted to not cross-react with any other members of the growth differentiation factor family.
Relevant Links:	• UniProtKB - P27539 • GeneID - 2657 • NCBI - NP_001483

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-GDF1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

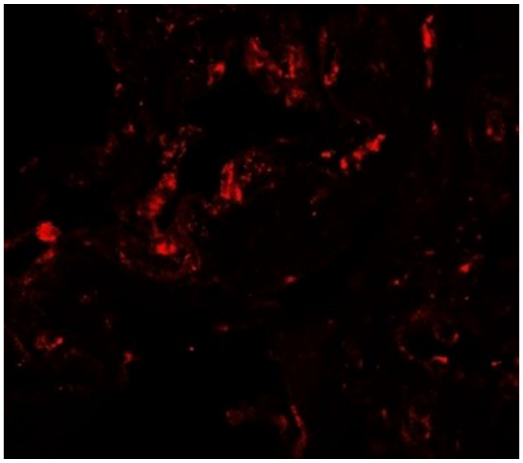
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

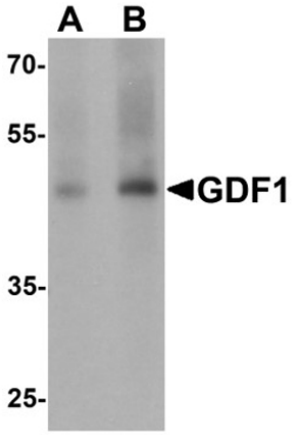
Shipping & Handling

Shipping Condition:	Dry Ice
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of GDF1.
Tissue: human lung tissue.
Primary Antibody: GDF1 antibody at 20 µg/mL.



Western Blot
Western blot analysis of GDF1.
Load: rat lung tissue lysate.
Primary Antibody: GDF1 antibody at (A) 1 and (B) 2 µg/mL.

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.