

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

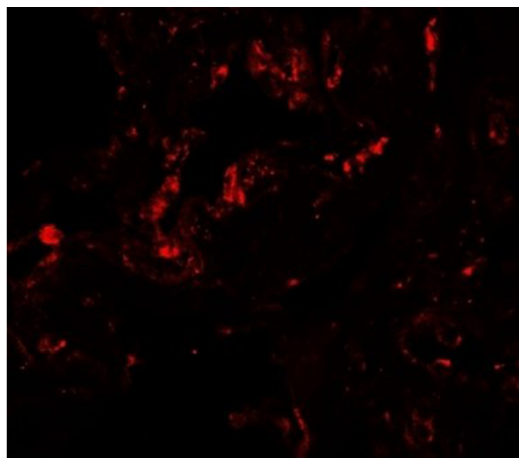
Formulation

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

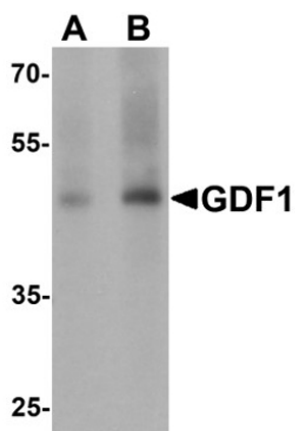


Immunofluorescence Microscopy

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

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