

Datasheet for 600-401-BN3**GRB10 Antibody****Overview**

Description:	Anti-GRB10 (RABBIT) Antibody - 600-401-BN3
Item No.:	600-401-BN3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	GRB10 belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules and function in diverse cellular processes. GRB10 is a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. Overexpression of some isoforms of GRB10 inhibits tyrosine kinase activity and results in growth suppression. GRB10 can also interact with the L isoform of the proapoptotic protein Bim. This gene is imprinted in a highly isoform- and tissue-specific manner, with expression observed from the paternal allele in the brain, and from the maternal allele in the placental trophoblasts.
Synonyms:	GRB10 Antibody, RSS, IRBP, MEG1, GRB-IR, Grb-10, GRBIR, KIAA0207, Growth factor receptor-bound protein 10, GRB10 adapter protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GRB10
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GRB10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human GRB10.

Purity/Specificity:	Anti-GRB10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of GRB10 are known to exist; this antibody will detect all three isoforms.
Relevant Links:	• UniProtKB - Q13322 • GeneID - 2887 • NCBI - NP_005302

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-GRB10 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 67 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

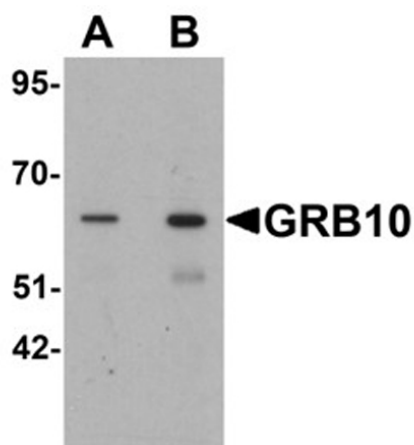
Formulation

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

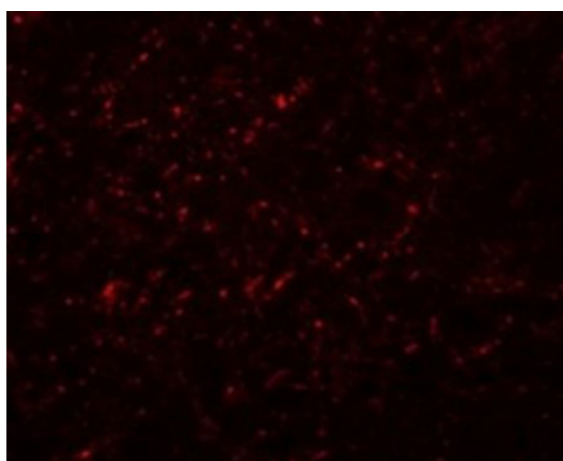


Western Blot

Western blot analysis of GRB10.

Load: SK-N-SH cell lysate.

Primary Antibody: GRB10 antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of GRB10.

Cell: rat brain cells.

Primary Antibody: GRB10 antibody at 20 µg/mL.

Disclaimer

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