DATASHEET

NRG1, isoform SMDF Rabbit Polyclonal Antibody

CAT. NO. ARA5811

KEY FEATURES

Target	NRG1	**Source/Host**	Rabbit
Reactivity	Human, Mouse, Rat	**Clonality**	Polyclonal
Applications	WB,IHC,IF/ICC,ELISA	**Conjugation**	Unconjugated
Isotype	IgG	**Storage**	at -20°C

BACKGROUND

The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD).

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500-1:2000
IHC	1:50-1:500
IF/ICC	1:200-1:800
ELISA	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit polyclonal antibody to NRG1 (isoform SMDF)
Specificity	Recognizes endogenous levels of NRG1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant human NRG1 protein (amino acids 1-225)
Molecular Weight	Predicted: 70 kDa; Observed: 70 kDa
Purification	Antigen affinity purification
Isotype	IgG
Form/Buffer	PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Alternative Names	NRG1, NRG1A, ARIA, GGF, GGF2
Gene Symbol	NRG1
Entrez Gene	3084
SwissProt	Q02297

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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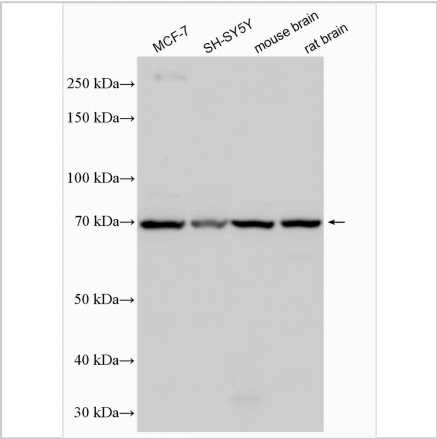
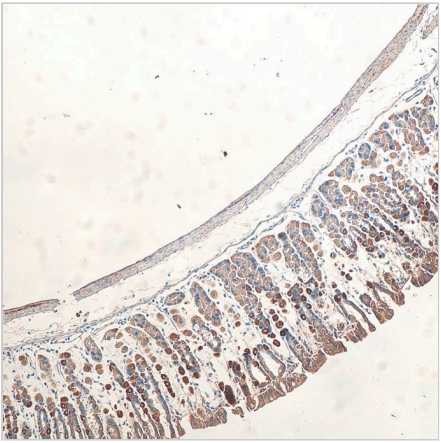
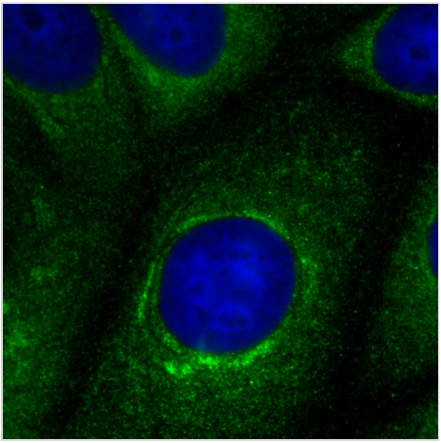
DATA



Various lysates were subjected to SDS-PAGE followed by western blot with NRG1, isoform SMDF Rabbit Polyclonal Antibody at 1:1000 dilution and incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using NRG1, isoform SMDF Rabbit Polyclonal Antibody at 1:200 dilution (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of -20°C methanol-fixed MCF-7 cells using NRG1, isoform SMDF Rabbit Polyclonal Antibody at 1:400 dilution.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com