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Datasheet for ABIN3031976

anti-Neuregulin 2 antibody (AA 830-855)

2 Images

Overview

Quantity:	0.4 mL
Target:	Neuregulin 2 (NRG2)
Binding Specificity:	AA 830-855
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuregulin 2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 830~855 from the human protein was used as the immunogen for this NRG2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Purified

Target Details

Target:	Neuregulin 2 (NRG2)
Alternative Name:	NRG2 (NRG2 Products)
Background:	Neuregulin 2 (NRG2) is a novel member of the neuregulin family of growth and differentiation

Target Details

factors. Through interaction with the ErbB family of receptors, NRG2 induces the growth and differentiation of epithelial, neuronal, glial, and other types of cells. The gene consists of 12 exons and the genomic structure is similar to that of neuregulin 1 (NRG1), another member of the neuregulin family of ligands. NRG1 and NRG2 mediate distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. There are six NRG2 alternatively spliced transcripts which are variable between the epidermal growth factor-like (EGF-like) and the transmembrane domains. The gene is located close to the region for demyelinating Charcot-Marie-Tooth disease locus, but is not responsible for this disease.

UniProt: [O14511](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Titration of the NRG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

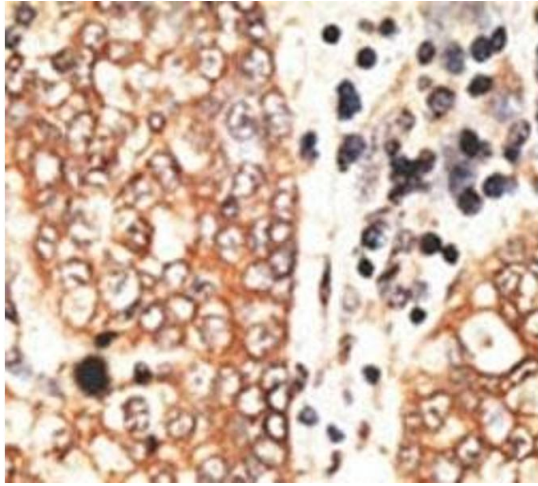
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

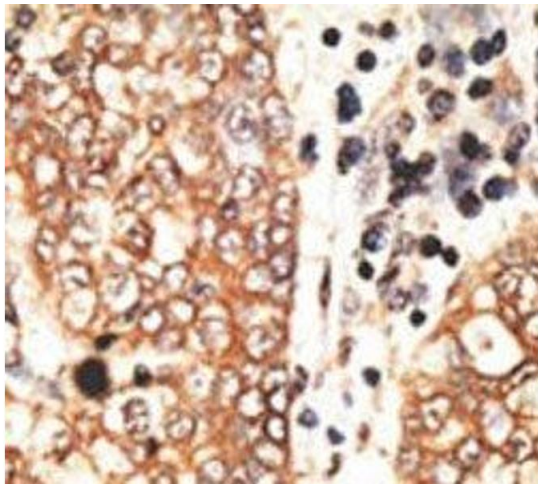
Storage: -20 °C

Storage Comment: Aliquot the NRG2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with the NRG2 antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma tissue stained with the NRG2 antibody