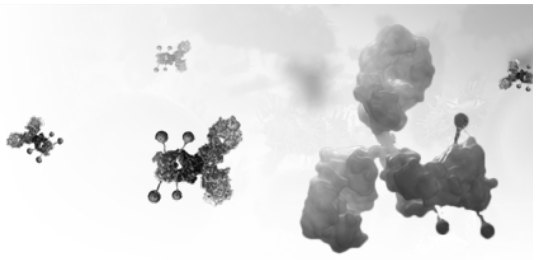

Anti-NRG1 monoclonal antibody, clone l2H24 (CABT-18761MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residues. This protein is a signaling protein that mediates cell-cell interactions and plays critical roles in the growth and development of multiple organ systems. It is known that an extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are tissue-specifically expressed and differ significantly in their structure, and thereby these isoforms are classified into types I, II, III, IV, V and VI. The gene dysregulation has been linked to diseases such as cancer, schizophrenia and bipolar disorder (BPD). Mouse monoclonal antibody raised against partial recombinant NRG1.
Immunogen	Recombinant protein corresponding to amino acids 20-241 of human NRG1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	l2H24
Conjugate	Unconjugated
Applications	WB,ELISA
Format	Liquid
Size	100 µl
Buffer	In PBS, pH 7.4 (0.1% sodium azide)

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.1% Sodium Azide

GENE INFORMATION

Gene Name	NRG1 neuregulin 1 [Homo sapiens]
Official Symbol	NRG1
Synonyms	neuregulin 1; MSTP131; GGF; glial growth factor; NDF; heregulin, alpha (45kD, ERBB2 p185-activator); HGL; neu differentiation factor; HRGA; neuregulin 1 type IV beta 1a; HRG; neuregulin 1 type IV beta 3; SMDF; ARIA; pro-neuregulin-1, membrane-bound isoform; GGF2; sensory and motor neuron derived factor; HRG1; MST131; pro-NRG1; OTTHUMP00000225398; OTTHUMP00000225419; OTTHUMP00000225420; OTTHUMP00000225421; OTTHUMP00000225422; OTTHUMP00000225477; OTTHUMP00000225545; OTTHUMP00000230603; OTTHUMP00000230605
Entrez Gene ID	3084
Protein Refseq	NP_001153467
UniProt ID	A6MW56
Chromosome Location	8p12
Pathway	ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, conserved biosystem; Glypican 1 network, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem
Function	ErbB-3 class receptor binding; ErbB-3 class receptor binding; cytokine activity; growth factor activity; growth factor activity; protein binding; protein tyrosine kinase activator activity; receptor binding; receptor tyrosine kinase binding; transcription cofactor activity; transmembrane receptor protein tyrosine kinase activator activity; transmembrane receptor protein tyrosine kinase activator activity

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