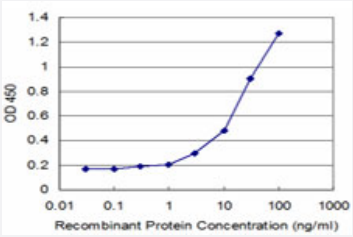
NRG2 monoclonal antibody (M02), clone 4D6

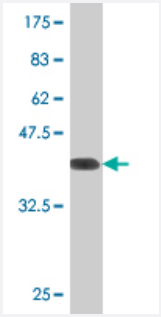
Catalog # H00009542-M02 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NRG2 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NRG2.
Immunogen	NRG2 (NP_004874, 116 a.a. ~ 215 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SLKSVQDQAYKAPVVVEGKVQGLVPAGGSSSNSTREPPASGRVALVKVLDKWPLRSGGLQREQVISVGSCVPLERNQRYIFFLEPTEQPLVFKTAFAPLD
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Rat (90)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged NRG2 is approximately 3ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — NRG2

Entrez GeneID	9542
GeneBank Accession#	NM_004883
Protein Accession#	NP_004874
Gene Name	NRG2
Gene Alias	Don-1, HRG2, NTAK
Gene Description	neuregulin 2
Omim ID	603818
Gene Ontology	Hyperlink

Gene Summary	Neuregulin 2 (NRG2) is a novel member of the neuregulin family of growth and differentiation 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. The gene is located close to the region for demyelinating Charcot-Marie-Tooth disease locus, but is not responsible for this disease. Alternative transcripts encoding distinct isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000159546|divergent of neuregulin-1|neural- and thymus-derived activator for ErbB kinases

Pathway

- ErbB signaling pathway

Disease

- Genetic Predisposition to Disease
- Glaucoma
- Mental Disorders
- Schizophrenia