

## Mouse anti-Human Neuregulin 1 Monoclonal Antibody | anti-NRG1 antibody

Monoclonal Antibody to Neuregulin 1 (NRG1)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                   |
|-----------|-------|------------|----------------------------------------------------------------|
| AAA141287 | Mouse | Human      | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

### PRODUCT SYNONYMS

Neuregulin 1; Monoclonal Antibody; Monoclonal Antibody to Neuregulin 1 (NRG1); anti-NRG1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                        | IgG2a Kappa                                                                                                                                                                                                                                                                                                                                                                   |
| Clone Number                                   | C6                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                    | The antibody is a mouse monoclonal antibody raised against NRG1. It has been selected for its ability to recognize NRG1 in immunohistochemical staining and western blotting.                                                                                                                                                                                                 |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                  | 1mg/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                                       | Antigen: The target protein is fused with N-terminal His-Tag and the sequence is listed below.<br>MG HHHHHHSGSE F-EMKSQESA AGSKLVLRCE TSSEYSSLR F KWFKNGNELN RKNKPQNIKI QKKPGKSELR<br>INKASLADSG EYMCKVISKL GNDASANIT IVESNEITG MPASTEGAYV SSATSTTTG TSHLVKCAEK<br>EKTFCVNGGE CFMVKDLSNP SRYLCKCPNE FTGDRQNYV MASFYKHLGI EFMEAEELYQ KRVLTITGIC<br>IALLVVGIMC VVAYCKTKKQ RKKLH |
| Sequence Length                                | 640                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-NRG1 antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                               |
| Organism Species                               | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                          |
| Cross Reactivity                               | Human                                                                                                                                                                                                                                                                                                                                                                         |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen                                      | Recombinant NRG1 (Glu20~His242) expressed in E. coli.                                                                                                                                                                                                                                                                                                                         |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                 |

IMAGES



**WB (Western Blot)**  
Western Blot: Sample: RecombinantNRG1,Human.



**WB (Western Blot)**  
Western Blot: Sample: Human Liver lysate; Primary Ab: 2ug/ml Mouse Anti-Human NRG1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 236461509                                                                                      |
| NCBI GeneID                      | 3084                                                                                           |
| NCBI Accession #                 | NP_001153467.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001159995.2                                                                                 |
| UniProt Accession #              | Q02297; O14667; P98202; Q02298; Q02299; Q07110; Q07111; A5YAK4; A5YAK5; A8K1L2; B7Z4Z3; E9PHH4 |
| Molecular Weight                 | 46,226 Da                                                                                      |
| NCBI Official Full Name          | pro-neuregulin-1, membrane-bound isoform isoform HRG-beta1c                                    |
| NCBI Official Synonym Full Names | neuregulin 1                                                                                   |
| NCBI Official Symbol             | NRG1                                                                                           |
| NCBI Official Synonym Symbols    | GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2                    |
| NCBI Protein Information         | pro-neuregulin-1, membrane-bound isoform                                                       |
| UniProt Protein Name             | Pro-neuregulin-1, membrane-bound isoform                                                       |
| UniProt Gene Name                | <b>NRG1</b>                                                                                    |
| UniProt Synonym Gene Names       | GGF; HGL; HRGA; NDF; SMDF; Pro-NRG1; ARIA; HRG                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.