

ARG45072 anti-GRB2 antibody [M331]

Package: 50 µl
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Mouse Monoclonal antibody [M331] recognizes GRB2 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ICC/IF, IP, WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | M331 |
| Isotype | IgG1 |
| Target Name | GRB2 |
| Species | Rat |
| Immunogen | Clone (M331) was generated from a full length recombinant rat Grb2 protein. This sequence has high homology to human and mouse Grb2. |
| Conjugation | Un-conjugated |
| Alternate Names | GRB2; Growth Factor Receptor Bound Protein 2; Growth Factor Receptor-Bound Protein 2; NCKAP2; SH2/SH3 Adapter GRB2; Protein Ash; ASH; Epidermal Growth Factor Receptor-Binding Protein GRB2; Epididymis Secretory Sperm Binding Protein; Growth Factor Receptor-Bound Protein 3; Abundant SRC Homology; Adapter Protein GRB2; EGFRBP-GRB2; MSTP084; Grb3-3; MST084; HT027 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------|
| | ICC/IF | 1:50 |
| | IP | 1:50 |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification | Protein A Purified. |
| Buffer | PBS, 0.05% NaN ₃ , 50% Glycerol and 0.1 % BSA. |
| Stabilizer | 50% Glycerol and 0.1 % BSA |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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|------------------------------|--|
| Gene Symbol | GRB2 |
| Gene Full Name | Growth Factor Receptor Bound Protein 2 |
| Background | The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Function | Additionally, directly recruits and later releases MRE11 at DNA damage sites during the homology-directed repair (HDR) process . [Uniprot] |
| Calculated Mw | 25 kDa |
| PTM | Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation. [Uniprot] |
| Cellular Localization | Cytoplasm, Endosome, Golgi apparatus, Nucleus. [Uniprot] |