

Product Datasheet

GRP78 Antibody (Biotin) (orb181937)

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| Catalog Number | orb181937 |
| Category | Antibodies |
| Description | Mouse monoclonal antibody against GRP78, conjugated to Biotin. |
| Target | GRP78 |
| Clonality | Monoclonal |
| Species/Host | Mouse |
| Isotype | IgG1 Kappa |
| Conjugation | Biotin |
| Reactivity | Human, Mouse, Rat |
| Concentration | 1 mg/ml |
| Buffer/Preservatives | 136.36mM Ethanolamine, 133.23 mM Chlorides, 9.55mM Phosphates, 9.55mM Sodium Bicarbonate |
| Purification | Protein G Purified |
| Immunogen | Full-length recombinant rat GRP78 |
| UniProt ID | P06761 |
| MW | 78kDa |
| Tested applications | ELISA, ICC, IF, WB |
| Dilution range | WB (1:1000), ICC/IF (1:100) |

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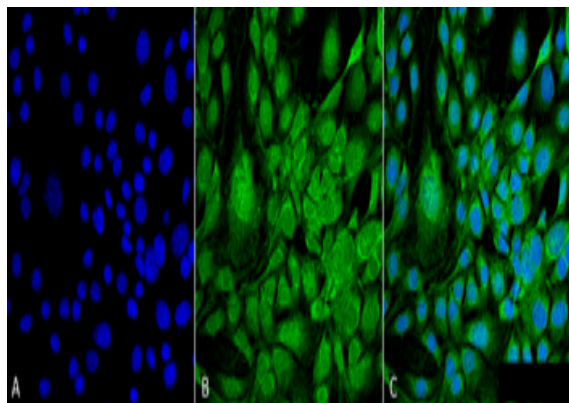
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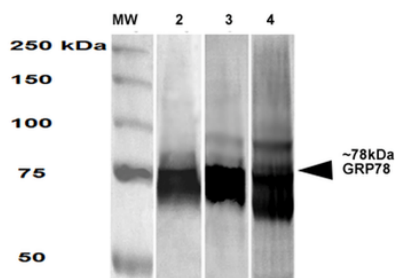
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| Application notes | 1 µg/ml was sufficient for detection of GRP78 in 20 µg of HEK-293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |
| Specificity | Detects ~78kDa. |
| Clone Number | 3G12-1G11 |
| Storage | Conjugated antibodies should be stored according to the product label |
| Note | For research use only |
| Entrez | 25617 |
| NCBI | NP_037215.1 |
| Expiration Date | 12 months from date of receipt. |



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3G12-1G11. Tissue: Fibroblast cell line (NIH 3T3). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Endoplasmic Reticulum, Endoplasmic Reticulum Lumen. Magnification: 60X.



Western Blot analysis of Human, Mouse, Rat HEK-293, NIH3T3, and Rat Brain cell lysates showing detection of GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3G12-1G11. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000.

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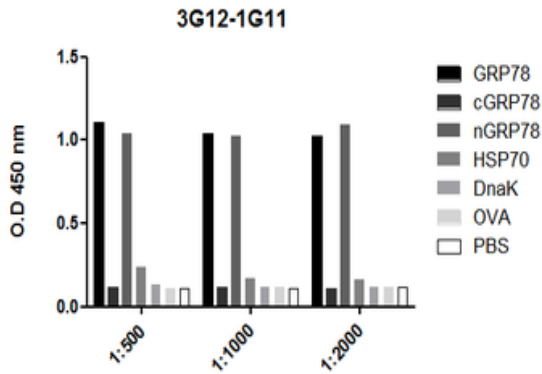
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ELISA analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3G12-1G11. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody.

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