

Product Datasheet

GRP78 Antibody (Biotin) (orb181919)

Catalog Number	orb181919
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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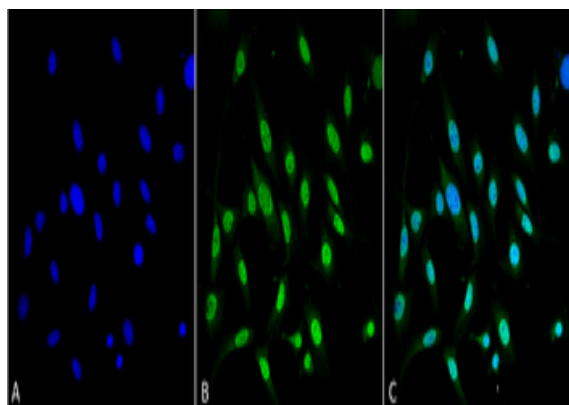
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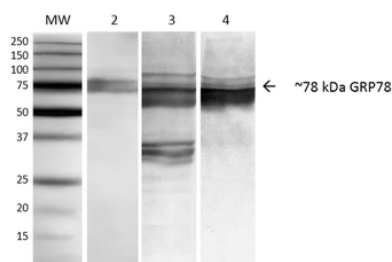
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Application notes	1 µg/ml of SMC-210 was sufficient for detection of GRP78 in 20 µg of HEK-293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~78kDa.
Clone Number	3C5-1A4
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	25617
NCBI	NP_037215.1



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. 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: Nucleus. Magnification: 60X.



Western Blot analysis of Human, Mouse, Rat NIH3T3, Rat Brain, and HEK-293 cell lysates showing detection of ~78 kDa GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Lane 1: MW ladder. Lane 2: Mouse NIH3T3. Lane 3: Rat Brain. Lane 4: Human HEK-293. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Mouse at 1:50 for 1 hour at RT. Color Development: TMB solution for 5 min at RT. Predicted/Observed Size: ~78 kDa.

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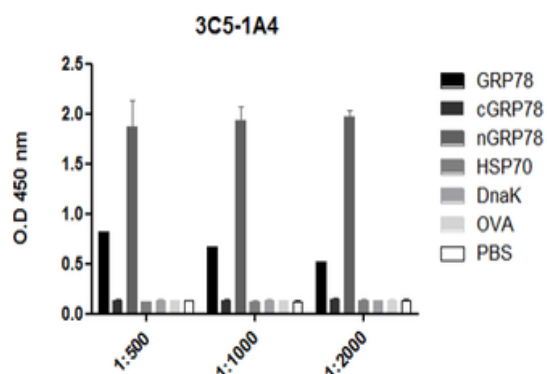
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ELISA analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody.

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