

Product Datasheet

GRP78 Antibody (HRP) (orb148027)

Catalog Number	orb148027
Category	Antibodies
Description	Mouse monoclonal to GRP78 (HRP). GRP78 is a ubiquitously expressed, 78-kDa glucose- regulated protein, and is commonly referred to as an immunoglobulin chain binding protein (BiP). The BiP proteins are categorized as stress response proteins because they play an important role in the prope..
Target	GRP78
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	HRP
Reactivity	Bovine, Frog, Fungi, Hamster, Human, Monkey, Mouse, Plant, Rabbit, Rat
Concentration	1 mg/ml
Buffer/Preservatives	73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide 0.23mM Citrate
Purification	Protein G Purified
Immunogen	His-tagged human GRP78
UniProt ID	P20029
MW	78kDa
Tested applications	ELISA, ICC, IF, WB

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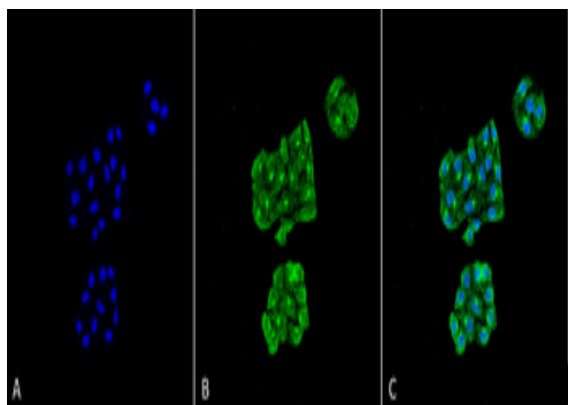
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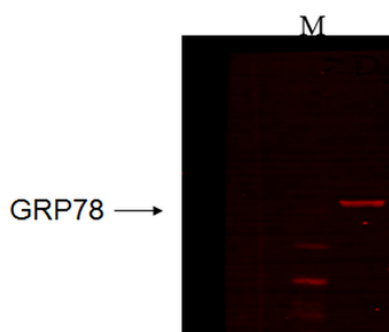
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Dilution range	WB (1:2000), ICC/IF (1:100)
Application notes	0.5 µg/ml of SMC-196 was sufficient for detection of Grp78 in 10 µg of HeLa cell lysate by ECL immunoblot analysis.
Specificity	Detects ~78kDa.
Clone Number	6H4-2G7
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	14828
NCBI	NP_001156906.1



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 6H4-2G7. Tissue: Cervical cancer cell line (HeLa). Species: Human. 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 recombinant cell lysate showing detection of GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 6H4.2G7. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000.

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