

AB-NN048-5

GRP78 Antibody

Pan-specific monoclonal antibody (3C5-1A4) for monitoring the expression of rat heat shock protein GRP78 (Bip)



KINEXUS

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Target Protein

Name Long:	78 kDa glucose-regulated protein (GRP78, Bip)
Alias:	78 kDa glucose regulated protein, 78 kDa glucose-regulated protein, AL022860, AU019543, BIP, D2Wsu141e, D2Wsu17e, Endoplasmic reticulum luminal Ca(2+)-binding protein grp78, Endoplasmic reticulum luminal, Ca2+ binding protein grp78, FLJ26106, Glucose Regulated Protein 78kDa, GRP 78, GRP-78, GRP78_HUMAN, Heat shock 70 kDa protein 5, Heat Shock 70kDa Protein 5, HSCe70, HSPA 5, HSPA5, Immunoglobulin Heavy Chain Binding Protein, Immunoglobulin heavy chain-binding protein, mBiP, MIF2, Sez7
UniProt ID:	P06761 - Rat
Human Predicted Mass (KDa):	72.333 (654 AA; V9HWP4-1)
Observed SDS-PAGE Mass (KDa):	78

Immunogen

Antibody Immunogen Source:	Full-length recombinant rat GRP78
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	101 IgG1Kappa
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ELISA
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	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.
Target Detection Immunoblotting:	Detects a ~78 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987