

# AB-NN048-4

## GRP78 Antibody

Pan-specific monoclonal antibody (6H4-2G7) for monitoring the expression of human heat shock protein GRP78 (Bip)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	78 kDa glucose-regulated protein (GRP78, Bip)
<b>Alias:</b>	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
<b>UniProt ID:</b>	P20029 - Human
<b>Human Predicted Mass (KDa):</b>	72.422 (655 AA; P20029-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	78

### Immunogen

<b>Antibody Immunogen Source:</b>	His-tagged human GRP78
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	100 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:2000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Bovine   Cryphonectria parasitica   Hamster   Monkey   Rabbit   Xenopus
<b>Antibody Positive Control:</b>	0.5 µg/ml of SMC-196 was sufficient for detection of Grp78 in 10ug of HeLa cell lysate by ECL immunoblot analysis.
<b>Target Detection Immunoblotting:</b>	Detects a ~78 kDa protein.

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

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