

# AB-NN048-2

## GRP78 (Bip) Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat heat shock protein GRP78 (Bip)



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### Target Protein

<b>Name Long:</b>	78 kDa glucose-regulated protein (GRP78, Bip)
<b>Alias:</b>	BIP, Grp78, HspA5, MIF2, immunoglobulin heavy chain binding protein
<b>UniProt ID:</b>	P06761 - Rat
<b>Human Predicted Mass (kDa):</b>	72.333 (654 AA; V9HWB4-1)
<b>Observed SDS-PAGE Mass (kDa):</b>	78

### Immunogen

<b>Antibody Immunogen Source:</b>	Rat GRP78 (Bip) synthetic peptide conjugated to KLH
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	98 Mix
<b>Antibody Purification:</b>	Rabbit antiserum
<b>Amount:</b>	50 µl
<b>Antibody Concentration:</b>	N/A
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Rabbit antiserum
<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, IF-p (1:100)
<b>Antibody Dilution Recommended:</b>	1:2000 (WB)
<b>Antibody Species Reactivity:</b>	Human, Mouse, Rat, Cow, Fungus ( <i>Cryptosporidium parvum</i> ), Hamster, Monkey, Rabbit, Xenopus
<b>Antibody Positive Control:</b>	0.5 µg/ml of SPC-107 was sufficient for detection of Grp78 in 10µg of rat tissue lysate by ECL immunoblot analysis.
<b>Target Detection Immunoblotting:</b>	Detects a protein with a mass of ~78 kDa corresponding to Grp78.

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

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