

AB-NN048-8

GRP78 Antibody

Pan-specific polyclonal antibody 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:	BIP, Grp78, HSPA5, MIF2, immunoglobulin heavy chain binding protein
UniProt ID:	P06761 - Rat
Human Predicted Mass (KDa):	72.333 (654 AA; V9HWB4-1)
Observed SDS-PAGE Mass (KDa):	78

Immunogen

Antibody Immunogen Source:	His-tagged rat GRP78
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Mix
Antibody Purification:	Affinity purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% 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 ICC/IF
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 SPC-167 was sufficient for detection of Grp78 in 10 µg of rat brain cell lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~78 kDa protein. Weak detection in human tissues.
Antibody Specificity:	Medium-low.
Antibody Cross Reactivities:	Detects many other strong cross-reactive proteins of diverse mass in mouse brain lysates.

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

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