

AB-NN049-3

GRP94 Antibody

Pan-specific monoclonal antibody (9G10) for monitoring the expression of chicken heat shock protein GRP94



KINEXUS

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Target Protein

Name Long:	Endoplasmic (GRP74)
Alias:	HSP90B1, GP96, TRA1, ECGP
UniProt ID:	P14625 - Human
Human Predicted Mass (kDa):	92.469 (803 AA; P14625-1)
Observed SDS-PAGE Mass (kDa):	98

Immunogen

Antibody Immunogen Source:	Purified Grp94 isolated from chicken oviducts
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Production

Antibody Host Species:	Rat
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	103 IgG2a
Antibody Purification:	Protein G purified
Amount:	50 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4 pH7.2, 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 ICC/IF IP FCM
Antibody Dilution Recommended:	WB (1:2000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat Bovine Dog Chicken Guinea pig Hamster Hr Monkey Pig Rabbit Sheep Xenopus
Antibody Positive Control:	0.5 µg/ml of SMC-105 was sufficient for detection of Grp94 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-rat IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~98 kDa protein.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	Does not detect human HSP90, Grp74, or GrpE from E.coli.

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