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Anti-HSP90B1 / GP96 / GRP94 Antibody (clone 9G10)

Rat Anti Chicken Monoclonal Antibody
Catalog # ALS17618

Product Information

Application	WB, IHC-P, IP, FC
Primary Accession	P14625
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Sheep, Xenopus, Bovine, Guinea Pig, Dog
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Names	9G10
Calculated MW	92469

Additional Information

Gene ID	7184
Alias Symbol	HSP90B1
Other Names	HSP90B1, ECGP, Endoplasmin, gp96 homolog, gp96, GRP-94, GRP94, Tumor rejection antigen 1, TRA1
Reconstitution & Storage	Protein G purified
Precautions	Anti-HSP90B1 / GP96 / GRP94 Antibody (clone 9G10) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HSP90B1 {ECO:0000303|PubMed:39509507, ECO:0000312|HGNC:HGNC:12028}
Function	ATP-dependent chaperone involved in the processing of proteins in the endoplasmic reticulum, regulating their transport (PubMed:23572575, PubMed:39509507). Together with MESD, acts as a modulator of the Wnt pathway by promoting the folding of LRP6, a coreceptor of the canonical Wnt pathway (PubMed:23572575, PubMed:39509507). When associated with CNPY3, required for proper folding of Toll-like receptors (PubMed:11584270). Promotes folding and trafficking of TLR4 to the cell surface (PubMed:11584270). May participate in the unfolding of cytosolic leaderless cargos (lacking the secretion signal sequence) such as the interleukin 1/IL-1 to facilitate their translocation into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) and secretion; the translocation process is mediated by the cargo receptor TMED10 (PubMed:32272059).

Cellular Location	Endoplasmic reticulum lumen. Sarcoplasmic reticulum lumen {ECO:0000250|UniProtKB:P41148}. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.