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HSP90B1 / GP96 / GRP94 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS12912

Specification

HSP90B1 / GP96 / GRP94 Antibody - Product Information

Application	**IHC, WB**
Primary Accession	P14625
Reactivity	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**92kDa KDa**

HSP90B1 / GP96 / GRP94 Antibody - Additional Information

Gene ID 7184

Other Names
Endoplasmin, 94 kDa glucose-regulated protein, GRP-94, Heat shock protein 90 kDa beta member 1, Tumor rejection antigen 1, gp96 homolog, HSP90B1, GRP94, TRA1

Reconstitution & Storage
Store at -20°C.

Precautions
HSP90B1 / GP96 / GRP94 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HSP90B1 / GP96 / GRP94 Antibody - Protein Information

Name HSP90B1 (HGNC:12028)

Synonyms GRP94, TRA1

Function
Molecular chaperone that functions in the processing and transport of secreted proteins (By similarity). When associated with CNPY3, required for proper folding of Toll-like receptors (By similarity). Functions in endoplasmic reticulum associated degradation (ERAD) (PubMed:18264092). Has ATPase activity (By similarity). 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

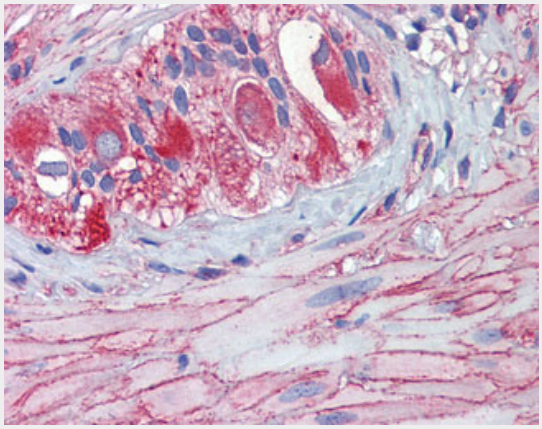
IV.

HSP90B1 / GP96 / GRP94 Antibody - Protocols

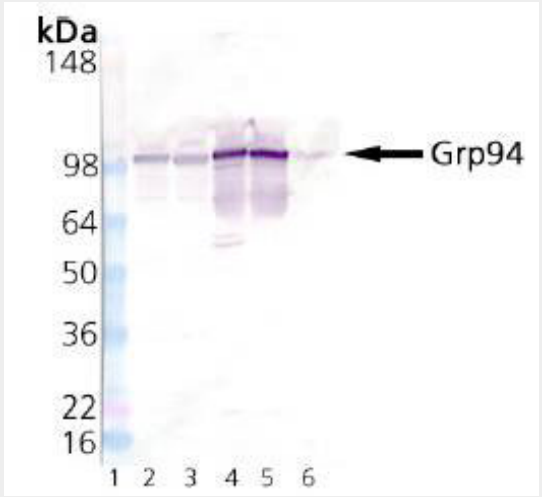
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HSP90B1 / GP96 / GRP94 Antibody - Images



Anti-HSP90B1 / GRP94 antibody IHC of human small intestine.



Lane 1: MW Marker, Lane 2: Rat Brain Extract, Lane 3: Mouse Brain Extract, Lane 4: Rat Liver...

HSP90B1 / GP96 / GRP94 Antibody - Background

Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors (By similarity). Functions in

endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.

HSP90B1 / GP96 / GRP94 Antibody - References

Maki R.G.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:5658-5662(1990).
Chang S.C.,et al.Mol. Cell. Biol. 9:2153-2162(1989).
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Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).
Meunier L.,et al.Mol. Biol. Cell 13:4456-4469(2002).