

GRP94 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51268

Specification

GRP94 Antibody - Product Information

Application	WB
Primary Accession	P14625
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94 KDa
Antigen Region	741 - 800

GRP94 Antibody - Additional Information

Gene ID 7184

Other Names

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

Target/Specificity

KLH conjugated synthetic peptide derived from human GRP94

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GRP94 Antibody - Protein Information

Name HSP90B1 ([HGNC:12028](#))

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

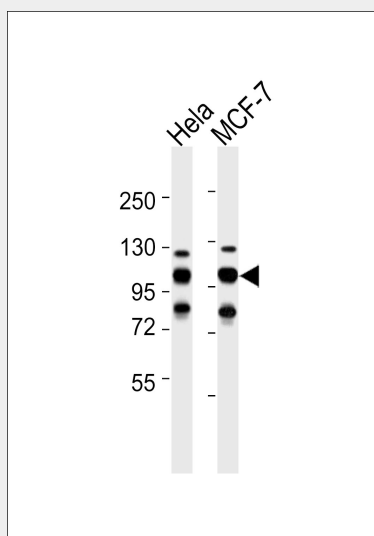
Endoplasmic reticulum lumen. Sarcoplasmic reticulum lumen {ECO:0000250|UniProtKB:P41148}.
Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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 Cytometry](#)
- [Cell Culture](#)

GRP94 Antibody - Images



All lanes : Anti-GRP94 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 92 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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.

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).
Meng S., et al. Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
Gevaert K., et al. Nat. Biotechnol. 21:566-569(2003).

Meunier L., et al. Mol. Biol. Cell 13:4456-4469(2002).