

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

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**GRP94 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P14625</a> |
| 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 {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:<a href="http://www.uniprot.org/citations/23572575" target="\_blank">23572575</a>, PubMed:<a href="http://www.uniprot.org/citations/39509507" target="\_blank">39509507</a>). 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:<a href="http://www.uniprot.org/citations/23572575" target="\_blank">23572575</a>, PubMed:<a href="http://www.uniprot.org/citations/39509507" target="\_blank">39509507</a>). When associated with CNPY3, required for proper folding of Toll-like receptors (PubMed:<a href="http://www.uniprot.org/citations/11584270" target="\_blank">11584270</a>). Promotes

folding and trafficking of TLR4 to the cell surface (PubMed:<a href="http://www.uniprot.org/citations/11584270" target="\_blank">11584270</a>). 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:<a href="http://www.uniprot.org/citations/32272059" target="\_blank">32272059</a>).

#### Cellular Location

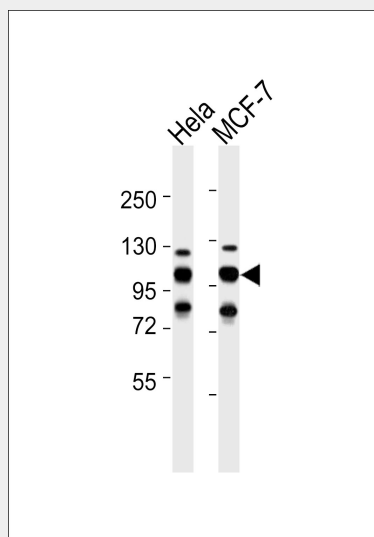
Endoplasmic reticulum lumen. Sarcoplasmic reticulum lumen {ECO:0000250|UniProtKB:P41148}. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

#### 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 µg 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).