

GRP94 Antibody, pAb, Rabbit**Cat. No.:** A01510-40**Size:** 40 µg**Synonyms:** Rabbit Anti-GRP94 polyclonal antibody;
Endoplasmin antibody**Description:**

Glucose regulated protein 94 (GRP94) is a resident protein of the endoplasmic reticulum (ER) with highly conserved sequence Lys-Asp-Glu-Leu (KDEL) at its C terminus. The KDEL sequence appears to be necessary for retention and appears to be sufficient to reduce the secretion of proteins from the ER. GRP94 can serve as molecular chaperone that functions in the processing and transport of secreted proteins. It might be associated transiently with a variety of newly synthesized secretory and membrane proteins or permanently with mutant or defective proteins.

Immunogen: KLH-coupled synthetic peptide within residues 380–430 of human GRP94 (Swiss Prot: P14625).**Host:** Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

94 KD

Observed Band Size:

94 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG**Specificity:** GenScript Rabbit Anti-GRP94 Polyclonal

Antibody detects endogenous levels of human GRP94.

Predicted to react with mouse and rat GRP94 according to sequence homology.

Purification: Immunoaffinity chromatography.**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 2-4 µg/ml**Other Applications:** useroptimized**Species Reactivity:** Human**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

GenScript Rabbit Anti-GRP94 Polyclonal Antibody should be stored lyophilized until use. It remains stable in lyophilized form for at least two years if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Avoid repeated freezing and thawing cycles.