

# GRP94 Antibody

## Catalog No: tcna790



### Available Sizes

**Size:** 20ug

**Size:** 100ug



### Specifications

**Application:**

FACS, IF, WB, IHC-P

**Species Reactivity:**

Human, Monkey, Horse, Cow, Sheep, Pig, Rabbit, Dog, Rat, Mouse, Hamster, Guinea Pig, Chicken and Xenopus laevis.  
Other species not tested.

**Host Species:**

Rat

**Immunogen / Amino acids:**

Purified glucose regulated protein 94 from chicken oviducts was used as the immunogen for the GRP94 antibody.

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

9G10.F8.2

**Isotype:**

Rat IgG2a, kappa

**Form:**

Liquid

**Storage Buffer:**

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

---

**Recommended Dilution:**

Flow Cytometry: 0.5-1ug/million cells in 0.1ml

Immunofluorescence: 0.5-1ug/ml

Western blot: 0.5-1ug/ml

Immunohistology (FFPE): 0.5-1ug/ml for 30 min at RT (1)

Prediluted format: incubate for 30 min at RT (2) Optimal dilution of the GRP94 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer pH 6.0

for 10-20 min followed by cooling at RT for 20 min.

2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required)

drip mAb solution onto the tissue section and incubate at RT for 30 min.

---

**Storage Instruction:**

Store the GRP94 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

---

**SwissProt:**

P14625

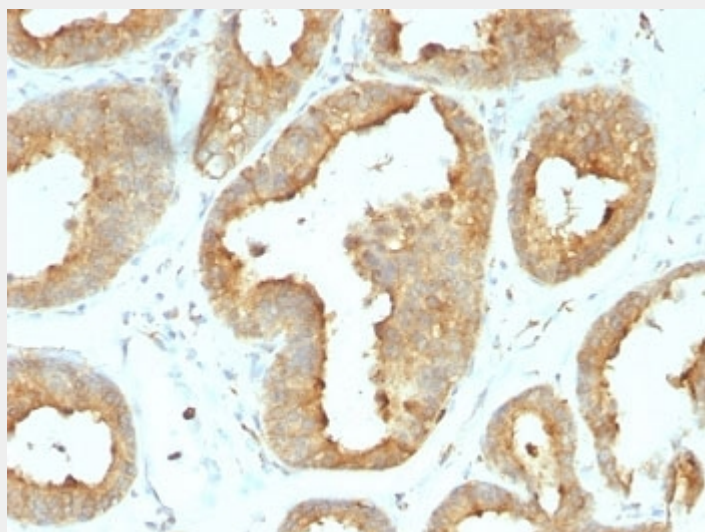
---

**References**

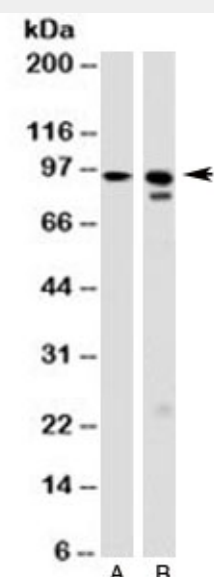
Protein G affinity chromatography

**Product Description**

Recognizes a protein of 94kDa, which is identified as the glucose-regulated protein 94 (grp94) and also tumor rejection antigen (gp96). Grp94 shows a high degree of sequence homology with the heat shock protein 90 (hsp90). This mAb is highly specific to grp94 and shows minimal cross-reaction with other members of the HSP90 family. Grps are a class of proteins unresponsive to heat shock and are induced by glucose deprivation. Grp94 has been briefly studied as a prognostic factor in breast cancer.



Formalin-fixed, paraffin-embedded human breast carcinoma stained with GRP94 antibody (9G10.F8.2).



Western blot testing of A) human HeLa and B) mouse NIH3T3 cell lysate with GRP94 antibody (clone 9G10.F8.2). Expected molecular weight: 94~96kDa.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!