

ARG63994 anti-GRP94 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GRP94
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog, Pig, Zfsh
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GRP94
Species	Human
Immunogen	C-KEGVKFDSEKTKE
Conjugation	Un-conjugated
Alternate Names	Tumor rejection antigen 1; gp96 homolog; Endoplasmic; 94 kDa glucose-regulated protein; HEL-S-125m; GP96; GRP94; TRA1; HEL35; GRP-94; Heat shock protein 90 kDa beta member 1; ECGP

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.1 - 0.3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

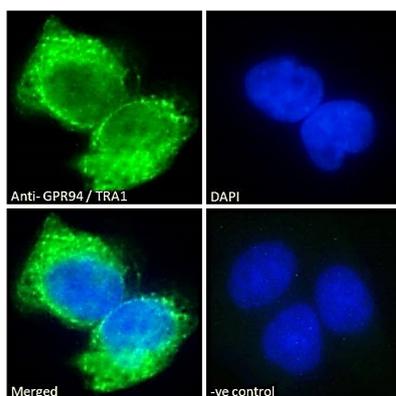
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

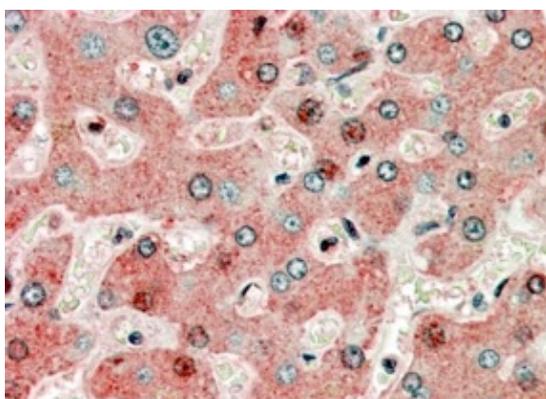
Database links	GeneID: 22027 Mouse GeneID: 7184 Human Swiss-port # P08113 Mouse Swiss-port # P14625 Human
Background	This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. [provided by RefSeq, Aug 2012]
Research Area	Cancer antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	92 kDa

Images



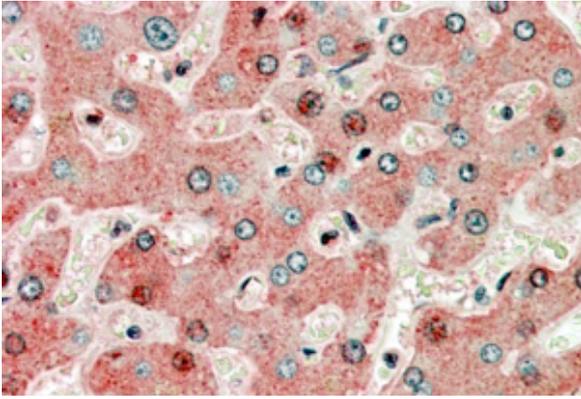
ARG63994 anti-GRP94 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG63994 anti-GRP94 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



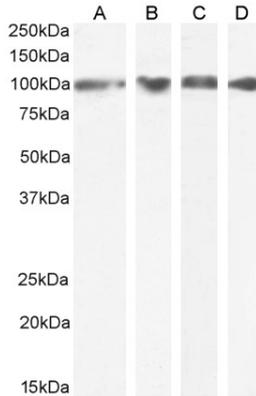
ARG63994 anti-GRP94 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63994 anti-GRP94 antibody at 3.8 µg/ml dilution followed by AP-staining.



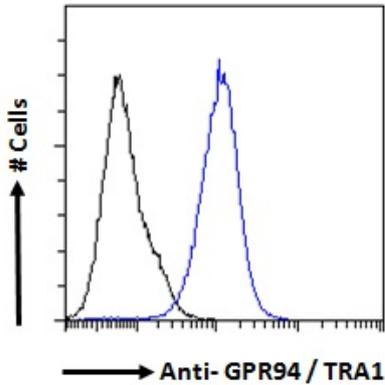
ARG63994 anti-GRP94 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Liver. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63994 anti-GRP94 antibody at 3.8 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



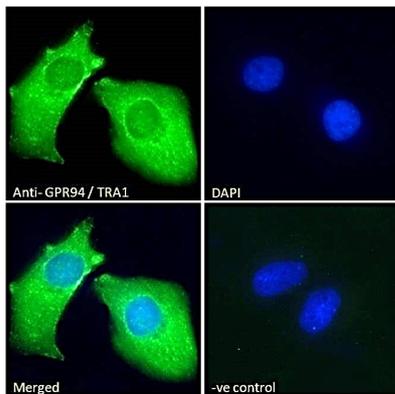
ARG63994 anti-GRP94 antibody WB image

Western blot: 35 μg of U2OS (A), HEK293 (B), HeLa (C) and A549 (D) cell lysates (in RIPA buffer) stained with ARG63994 anti-GRP94 antibody at 0.1 $\mu\text{g}/\text{ml}$ (A-C) and 0.3 $\mu\text{g}/\text{ml}$ (D) dilutions and incubated at RT for 1 hour.



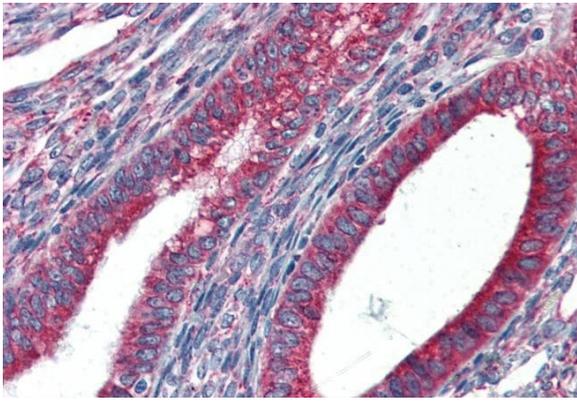
ARG63994 anti-GRP94 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed A431 cells permeabilized with 0.5% Triton. Cells were stained with ARG63994 anti-GRP94 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



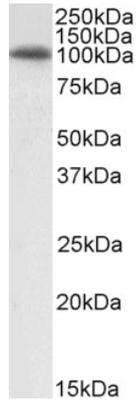
ARG63994 anti-GRP94 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63994 anti-GRP94 antibody (green) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 $\mu\text{g}/\text{ml}$ dilution.



ARG63994 anti-GRP94 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63994 anti-GRP94 antibody at 5 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



ARG63994 anti-GRP94 antibody WB image

Western blot: 35 μg of NIH/3T3 cell lysate (in RIPA buffer) stained with ARG63994 anti-GRP94 antibody at 0.1 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.