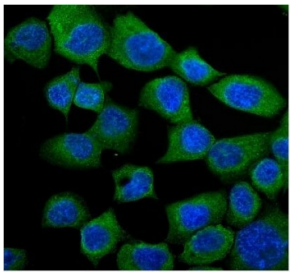
GRP94 Antibody / HSP90B1 (R31967)

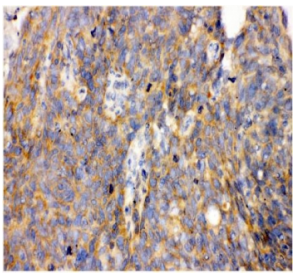
Catalog No.	Formulation	Size
R31967	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

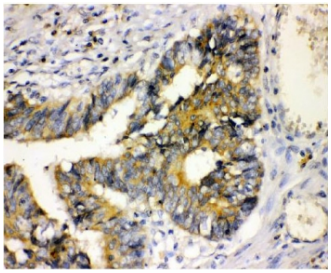
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P14625
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This GRP94 antibody is available for research use only.



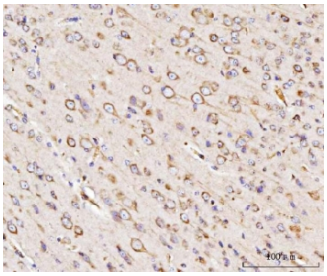
Immunofluorescent staining of FFPE human A431 cells with GRP94 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



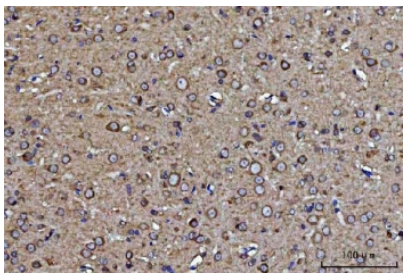
IHC staining of FFPE human lung cancer with GRP94 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



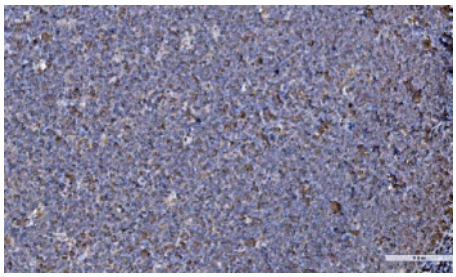
IHC staining of FFPE human intestinal cancer with GRP94 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



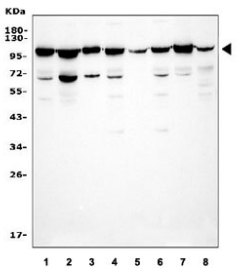
IHC staining of FFPE mouse brain with GRP94 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



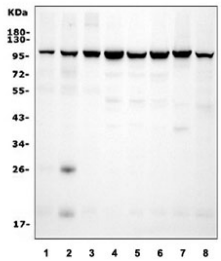
IHC staining of FFPE rat brain with GRP94 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



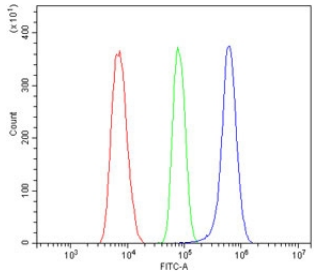
IHC staining of FFPE human tonsil with GRP94 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) U-87 MG, 3) A431, 4) Caco-2, 5) ThP-1, 6) Caco-2, 7) HepG2 and 8) HL60 cell lysate with GRP94 antibody. Expected molecular weight : 92~96 kDa.



Western blot testing of rat 1) PC-12, 2) RH35, 3) C6 and mouse 4) HEPA1-6, 5) NIH 3T3, 6) RAW264.7, 7) SP2/0 and 8) ANA-1 cell lysate with GRP94 antibody. Expected molecular weight : 92~96 kDa.



Flow cytometry testing of human ThP-1 cells with GRP94 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GRP94 antibody.

Description

GRP94 (94 kDa glucose-regulated protein), also called Endoplasmin, is a chaperone protein that in humans is encoded by the HSP90B1 gene. 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.

Application Notes

Optimal dilution of the GRP94 antibody should be determined by the researcher.

Immunogen

Amino acids 43-221 of human GRP94 were used as the immunogen for the GRP94 antibody.

Storage

After reconstitution, the GRP94 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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