



Datasheet for ABIN2855578  
**anti-GRP94 antibody (Center)**



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7 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	GRP94 (HSP90B1)
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRP94 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human GRP94. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rhesus Monkey, Chimpanzee
Cross-Reactivity (Details):	Rhesus Monkey (100 %), Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to GRP94 (heat shock protein 90 kDa beta (Grp94), member 1) GRP94 antibody [N1N3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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Target:	GRP94 (HSP90B1)
Alternative Name:	GRP94 ( <a href="#">HSP90B1 Products</a> )
Background:	<p>HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1, MIM 140571) and mitochondria (TRAP1, MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]</p> <p>Cellular Localization: Endoplasmic reticulum lumen , Melanosome</p>
Molecular Weight:	92 kDa
Gene ID:	7184
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

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Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Immunoprecipitation 1:100-1:500* Western blot 1:1000-1:10000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Immunoprecipitation1:100-1:500* Western blot1:1000-1:10000*</p>
Comment:	<p>Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji , NIH-3T3 , *endothelial cells</p>
Restrictions:	<p>For Research Use only</p>

## Handling

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Format:	Liquid
Concentration:	0.95 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.

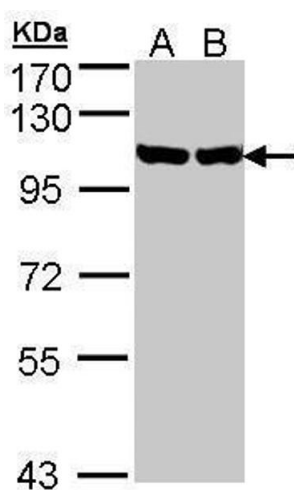
## Handling

Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

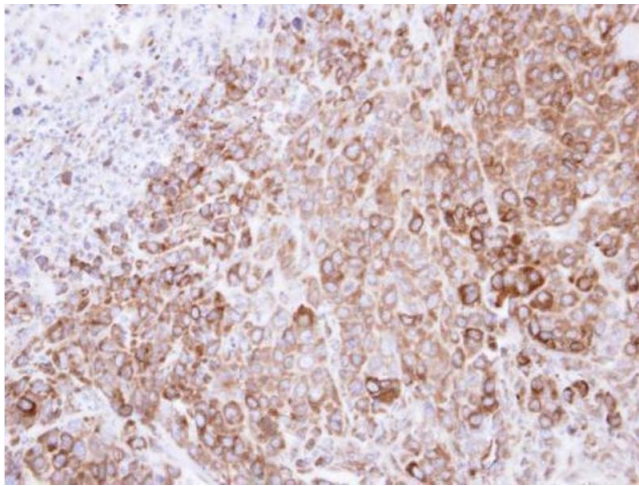
Product cited in: Chao, Wroblewski, Ilkayeva, Stevens, Bain, Meyer, Schenk, Martinez, Vergnes, Narkar, Drew, Hong, Boyadjian, Hevener, Evans, Reue, Spencer, Newgard, Tontonoz: "Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization." in: **Journal of lipid research**, Vol. 53, Issue 12, pp. 2610-9, (2012) ([PubMed](#)).

## Images



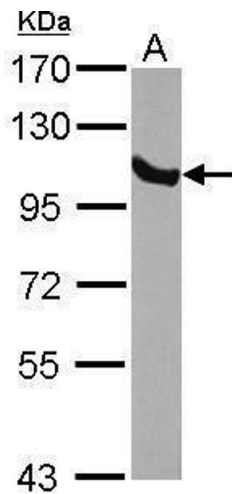
### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: H1299 B: HeLa S3 7.5% SDS PAGE antibody diluted at 1:1000



### Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded SCM-1 xenograft , using HSP90B, antibody at 1:500 dilution.



### Western Blotting

**Image 3.** WB Image Sample (30 ug of whole cell lysate) A: NIH-3T3 7.5% SDS PAGE antibody diluted at 1:5000

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2855578.