

Datasheet for ABIN2855586  
**anti-GRP94 antibody (C-Term)**

8 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	GRP94 (HSP90B1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
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 C-terminus region of human GRP94. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Dog (Canine), Monkey, Pig (Porcine)
Cross-Reactivity (Details):	Dog (95 %), Monkey (98 %), Pig (95 %)
Characteristics:	Rabbit Polyclonal antibody to GRP94 (heat shock protein 90 kDa beta (Grp94), member 1) GRP94 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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

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 1:500-1:3000* 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 blot1:500-1:3000*</p>
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 , NIH-3T3 , Mouse brain , PC-12 , Rat-2
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)

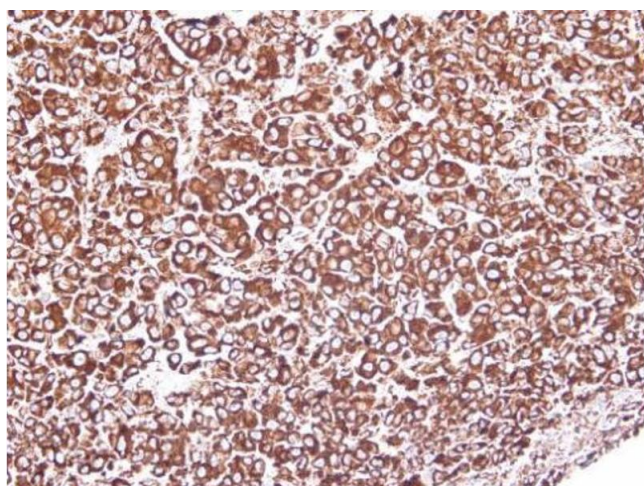
## Handling

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

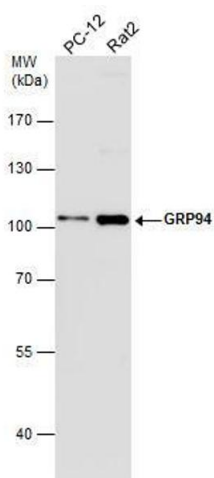
Product cited in:	Wei, Ngo, Wu, Lee: "Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint." in: <b>Molecular biology of the cell</b> , Vol. 22, Issue 19, pp. 3584-94, (2012) ( <a href="#">PubMed</a> ).
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## Images



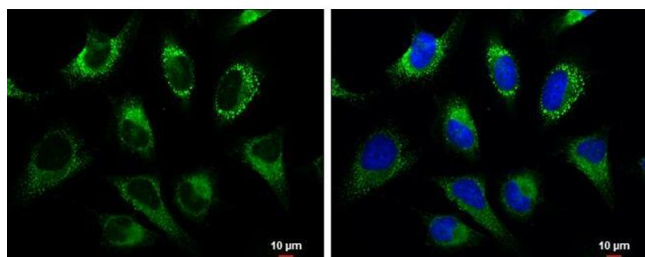
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded HEP3B xenograft, using GRP94, antibody at 1:100 dilution.



### Western Blotting

**Image 2.** WB Image Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with GRP94 antibody, diluted at 1:1000.



#### Immunofluorescence

**Image 3.** ICC/IF Image GRP94 antibody detects GRP94 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GRP94 protein stained by GRP94 antibody , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 µm.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855586.