



Datasheet for ABIN655868
anti-GRP94 antibody (AA 460-487)



[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	GRP94 (HSP90B1)
Binding Specificity:	AA 460-487
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRP94 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HSP90B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 460-487 amino acids from the Central region of human HSP90B1.
Clone:	RB31597
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GRP94 (HSP90B1)
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Target Details

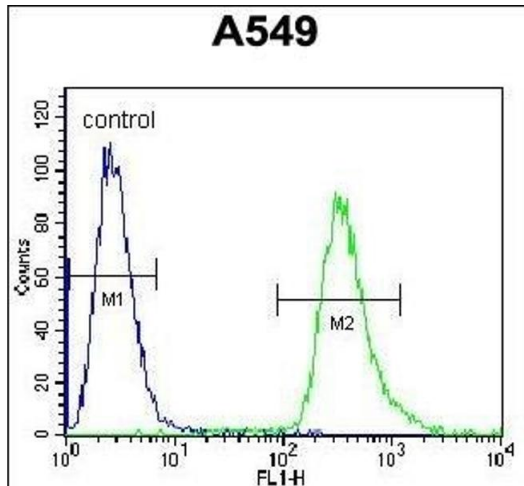
Alternative Name:	HSP90B1 (HSP90B1 Products)
Background:	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles 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]).
Molecular Weight:	92469
Gene ID:	7184
NCBI Accession:	NP_003290
UniProt:	P14625
Pathways:	Thyroid Hormone Synthesis , Activation of Innate immune Response , ER-Nucleus Signaling , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

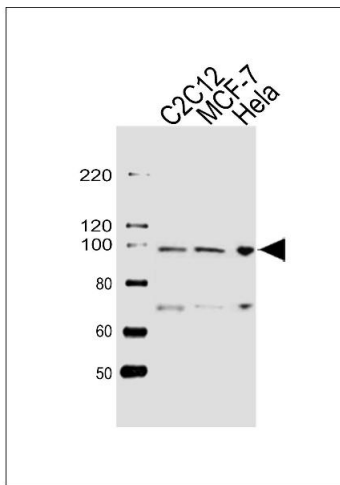
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



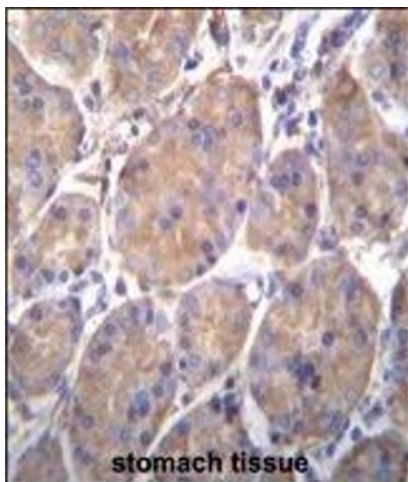
Flow Cytometry

Image 1. HSP90B1 Antibody (Center) (ABIN655868 and ABIN2845274) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of lysates from C2C12, MCF-7, HeLa cell line (from left to right), using HSP90B1 Antibody (Center) (ABIN655868 and ABIN2845274). (ABIN655868 and ABIN2845274) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. HSP90B1 Antibody (Center) (ABIN655868 and ABIN2845274) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HSP90B1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.