Rat GRP94 / HSP90B1 Monoclonal Antibody | anti-HSP90B1 antibody

GRP94 / HSP90B1 (Endoplasmic Reticulum Marker) Rat Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62899	**Rat**	**Human.Shows broad species reactivity**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

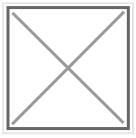
PRODUCT SYNONYMS

GRP94 / HSP90B1; Monoclonal Antibody; GRP94 / HSP90B1 (Endoplasmic Reticulum Marker) Rat Monoclonal Antibody; Glucose Regulated Protein 94; 94kDa glucose-regulated protein; Endoplasmin; Endothelial cell (HBMEC) glycoprotein (ECGP); Heat shock protein 90kDa beta member 1 (HSP90B1); Stress inducible tumor rejection antigen GP96; TRA1; Tumor rejection antigen-1 (gp96); anti-HSP90B1 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human. Shows broad species reactivity
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	HSP90B1/1192
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide
Sequence Length	803
Applicable Applications for anti-HSP90B1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic and nuclear
Immunogen	Recombinant full-length human HSP90B1 protein
Hu-Chromosome Location	12q23.3
Positive Control	U20S cells. Breast Carcinoma
Specificity	Recognizes a protein of 94kDa, which is identified as the glucose-regulated protein 94 (grp94) and also tumor rejection antigen (gp96). Grp94 shows a high degree of sequence homology with the heat shock protein 90 (hsp90). This MAb is highly specific to grp94 and shows minimal cross-reaction with other members of the HSP90 family. Grp s are a class of proteins unresponsive to heat shock and are induced by glucose deprivation. Grp94 has been briefly studied as a prognostic factor in breast cancer.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GRP94 Monoclonal Antibody (HSP90B1/1192).

ADDITIONAL INFORMATION

References	Sorger, P.K. et al. J. Mol. Biol. 194: 341-344 (1987). Tandon, A.K. et.al. Breast Cancer Res. and Treat. 16: 146 (1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507677
NCBI GeneID	7184
NCBI Accession #	NP_003290.1
NCBI GenBank Nucleotide #	NM_003299.2
UniProt Accession #	P14625; Q96A97
Molecular Weight	94kDa
NCBI Official Full Name	endoplasmin
NCBI Official Synonym Full Names	heat shock protein 90 beta family member 1
NCBI Official Symbol	HSP90B1
NCBI Official Synonym Symbols	ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m
NCBI Protein Information	endoplasmin
UniProt Protein Name	Endoplasmin
UniProt Gene Name	**HSP90B1**
UniProt Synonym Gene Names	GRP94; TRA1; GRP-94
UniProt Entry Name	ENPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/grp94-hsp90b1-antibody-clone-hsp90b1-1192-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62899