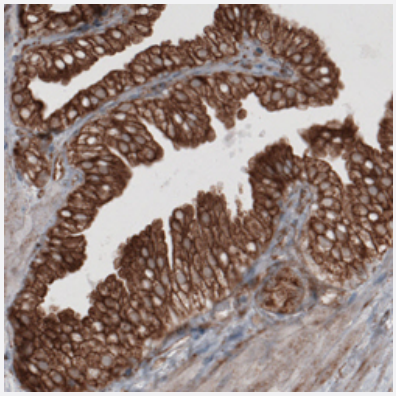
HSP90B1 monoclonal antibody, clone CL2647

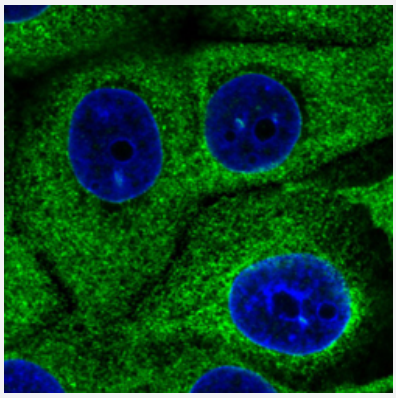
Catalog # MAB15763 Size 100 uL

Applications



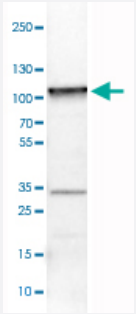
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with HSP90B1 monoclonal antibody, clone CL2647 (Cat # MAB15763) shows strong cytoplasmic immunoreactivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of MCF7 cells with HSP90B1 monoclonal antibody, clone CL2647 (Cat # MAB15763) (Green) shows specific endoplasmic reticulum. Microtubule and nuclear probes are visualized in red and blue respectively (where available).



Western Blot (Cell lysate)

Western Blot analysis of U-251 cell lysate with HSP90B1 monoclonal antibody, clone CL2647 (Cat # MAB15763).

Specification

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Product Description	Mouse monoclonal antibody raised against partial recombinant human HSP90B1.
Immunogen	Recombinant protein corresponding to human HSP90B1.
Epitope	This antibody binds to an epitope located within the peptide sequence EEEPEETAED as determined by overlapping synthetic peptides.
Sequence	SGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRRIKEDEDDKTVLDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRLSLNIDPDAKVEEEPEEEPEETAEDTTEDTEQDEDEEMDVGTDEEEETAKESTA
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG2b
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:5000-1:10000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Western Blot (Cell lysate)

  Western Blot analysis of U-251 cell lysate with HSP90B1 monoclonal antibody, clone CL2647 (Cat # MAB15763).

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Gene Info — HSP90B1

Entrez GeneID	7184
Protein Accession#	P14625
Gene Name	HSP90B1
Gene Alias	ECGP, GP96, GRP94, TRA1
Gene Description	heat shock protein 90kDa beta (Grp94), member 1
Omim ID	191175
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	Tumor rejection antigen-1 (gp96)|endothelial cell (HBMEC) glycoprotein|glucose regulated protein, 94 kDa|heat shock protein 90kDa beta, member 1|tumor rejection antigen (gp96) 1

Pathway

- Pathways in cancer
- Prostate cancer

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Kidney Failure
- Schizophrenia

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