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HSP90B2P Rabbit pAb

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Catalog # AP56938

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q58FF3
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45859
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HSP90B2P
Epitope Specificity	261-360/399
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Hsp90 is a member of the heat shock protein 90 family that functions as a molecular chaperone and has ATPase activity. Hsp90 family proteins are highly conserved between isoforms and species. Several signal transduction pathways depend on Hsp90 function including erbB2, steroid hormone receptors (such as androgen, progesterone, glucocorticoid, and aryl-hydrocarbon), and hypoxia sensing (Hif1alpha). Recent reports show that tumor cells are more sensitive to Hsp90 inhibition and that Hsp90 from tumor cells is more sensitive to small molecule inhibitors (eg 17AAG). The mechanism of this differential sensitivity of normal versus tumor Hsp90 is not known (although mutation has been ruled out). One possible mechanism may be differences in post-translational modification of tumor Hsp90. Hsp90 is a cytoplasmic protein that forms a homodimer in vivo, and interacts with TOM34, AHSA1, HDAC6 and SMYD3.

Additional Information

Other Names	Putative endoplasmin-like protein, Putative heat shock protein 90 kDa beta member 2, HSP90B2P, GRP94B, GRP94P1, TRAP1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HSP90B2P
Synonyms	GRP94B, GRP94P1, TRAP1
Function	Putative molecular chaperone.

Background

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