

Product datasheet for **AP06176PU-M**

HSP90AB1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunoprecipitation: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 211-260 of Human HSP90B.
Specificity:	This antibody detects endogenous levels of HSP90B protein. (region surrounding Lys248)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~90.0 kDa
Gene Name:	heat shock protein 90kDa alpha family class B member 1
Database Link:	Entrez Gene 3326 Human P08238



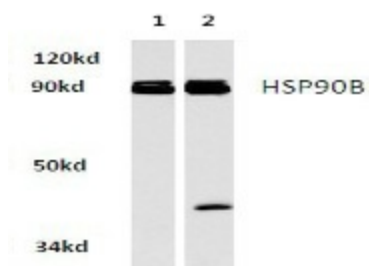
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Background:

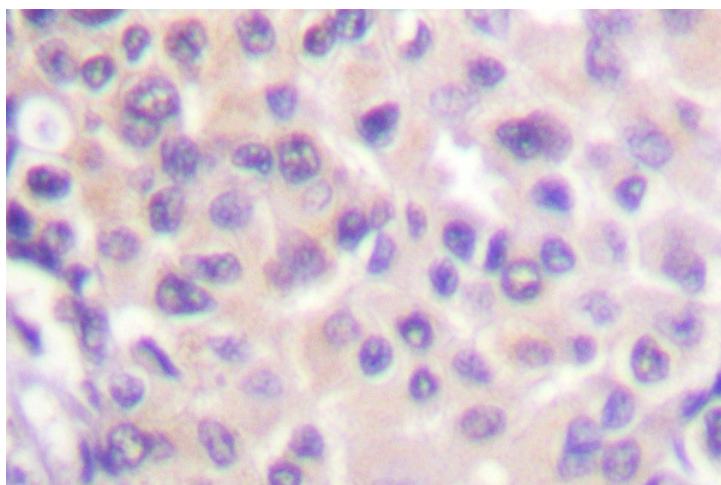
Hsp90 is a member of the heat shock protein 90 family that functions as a molecular chaperone and has ATPase activity. Hsp90 family proteins are highly conserved between isoforms and species. Several signal transduction pathways depend on Hsp90 function including erbB2, steroid hormone receptors (such as androgen, progesterone, glucocorticoid, and aryl-hydrocarbon), and hypoxia sensing (Hif1 alpha). 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.

Synonyms:

HSP90B, HSPC2, HSPCB, Heat shock protein HSP 90-beta, Heat shock 84 kDa, HSP84

Product images:


Western blot analysis of HSP90B antibody in extracts from HeLa and HEK293A cells



Immunohistochemistry analysis of HSP90B antibody in paraffin-embedded human breast carcinoma tissue.