

## Product datasheet for **TA319143**

### HSP90AA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:2,500 - 1:10,000, WB: 1:500 - 1:2,500, IHC: 5-10 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids surrounding K294 of human Hsp90.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heat shock protein 90kDa alpha family class A member 1
Database Link:	<a href="#">NP_001017963</a> <a href="#">Entrez Gene 15519 Mouse</a> <a href="#">Entrez Gene 299331 Rat</a> <a href="#">Entrez Gene 3320 Human</a> <a href="#">P07900</a>
Synonyms:	EL52; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; LAP-2; LAP2



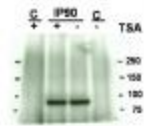
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**Note:** This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. This antibody reacts strongly with the acetylated form of the immunizing peptide and shows minimal reactivity with the non-acetylated form when tested by ELISA. To date, western blotting shows equivalent staining of lysates either treated or untreated with Trichostatin A (an HDAC inhibitor). Therefore, western blotting results are not definitive for demonstrating the specificity of this reagent. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 90 kDa in size corresponding to Hsp90 protein by western blotting in the appropriate cell lysate or extract.

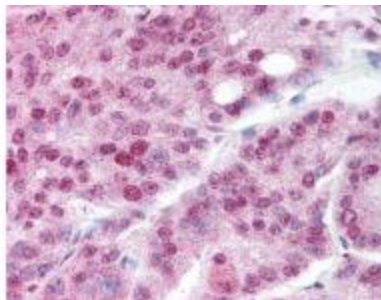
**Protein Families:** Druggable Genome

**Protein Pathways:** Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

**Product images:**



WB using Anti-Hsp90 acetyl K294 antibody shows detection of a band at ~90 kDa corresponding to Hsp90 in an SkBr3 cell lysate (arrowhead) after treatment with Trichostatin A (an HDAC inhibitor). WBting results do not definitively demonstrate the acetyl K294 specificity of this reagent because similar staining is seen in the control lane (no treatment with TSA). IP with anti-Hsp90 was performed prior to WBting with anti-Hsp90 acetyl K294.



Anti-Hsp90 acetyl K294 antibody was used at 20 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate nuclear and granular cytoplasmic positive staining in human prostate carcinoma at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.