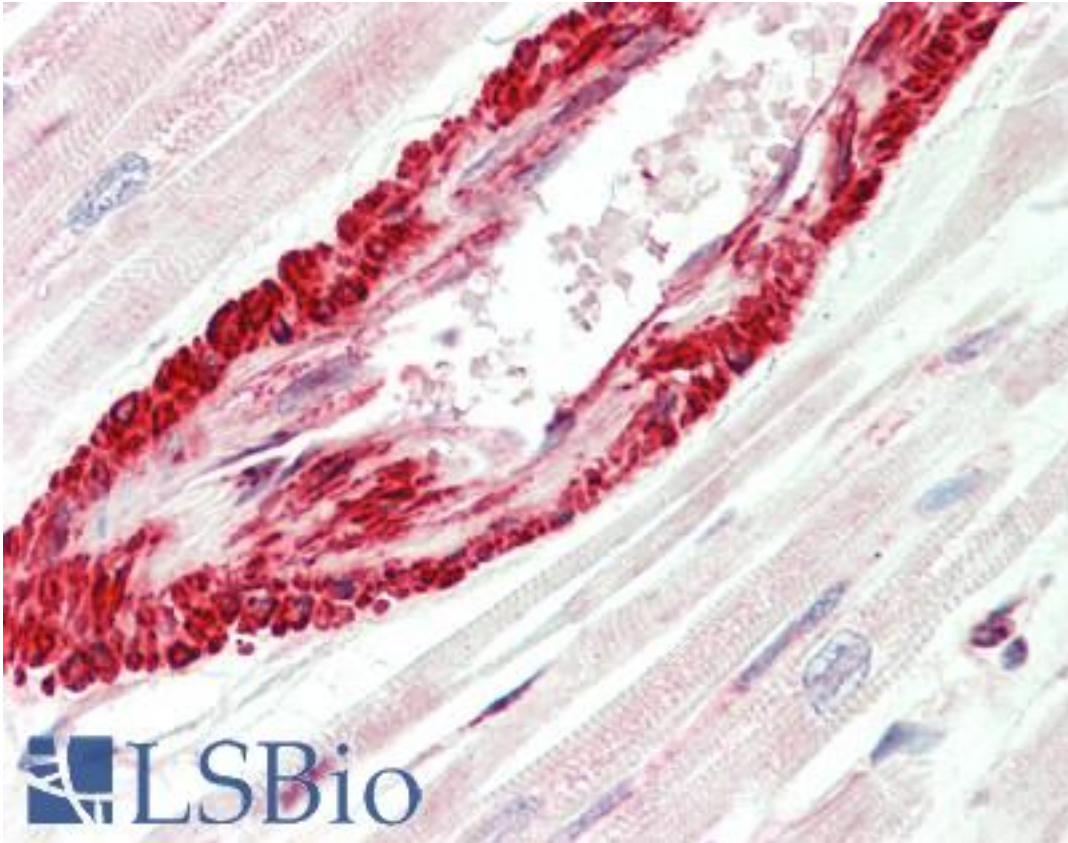


HSP90AA1 / Hsp90 Rabbit anti-Human Polyclonal Antibody - LS-B10213 - LSBio	
<b>CatalogID:</b>	LS-B10213
<b>Validation:</b>	This antibody replaces catalog number LS-C154228. It has been validated for use in the following assays: IHC-P.
<b>Target:</b>	heat shock protein 90kDa alpha (cytosolic), class A member 1 (HSP90AA1)
<b>Synonyms:</b>	HSP90AA1 Antibody, EL52 Antibody, HSP86 Antibody, Hsp89 Antibody, HSP89A Antibody, HSPC1 Antibody, Heat shock 86 kDa Antibody, Hsp90 Antibody, HSP90A Antibody, HSP90N Antibody, HSPCA Antibody, HSPCAL4 Antibody, HSPN Antibody, LAP2 Antibody, HSP 86 Antibody, HSPCAL1 Antibody
<b>Host</b>	HSP90AA1 antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Isotype:</b>	IgG
<b>Immunogen Species:</b>	HSP90AA1 / Hsp90 antibody was raised against Human
<b>Antigen Type:</b>	Synthetic peptide
<b>Immunogen:</b>	HSP90AA1 / Hsp90 antibody was raised against 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.
<b>Specificity:</b>	While ELISA data show strong reactivity with the acetylated form of the immunizing peptide and minimal reactivity with the non-acetylated form, to date western blotting data are not definitive for acetyl K294 specificity as blots show equivalent staining of lysates from cells either treated or untreated with Trichostatin A (an HDAC inhibitor). A BLAST analysis was used to suggest cross-reactivity with Hsp90 from human, mouse, rat, monkey, chicken and Drosophila based on 100% homology with the immunizing sequence. Reactivity of this antibody with Hsp90 from other species is unknown.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Purification:</b>	Protein A purified
<b>Presentation:</b>	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide, sterile filtered
<b>Recommended Storage:</b>	Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.
<b>Usage Summary:</b>	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 kD in size corresponding to Hsp90 protein by western blotting in the appropriate cell lysate or extract.
<b>Uses:</b>	IHC - Paraffin (5 µg/ml), Western blot (1:500 - 1:2500), ELISA (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg

**Concentration:**

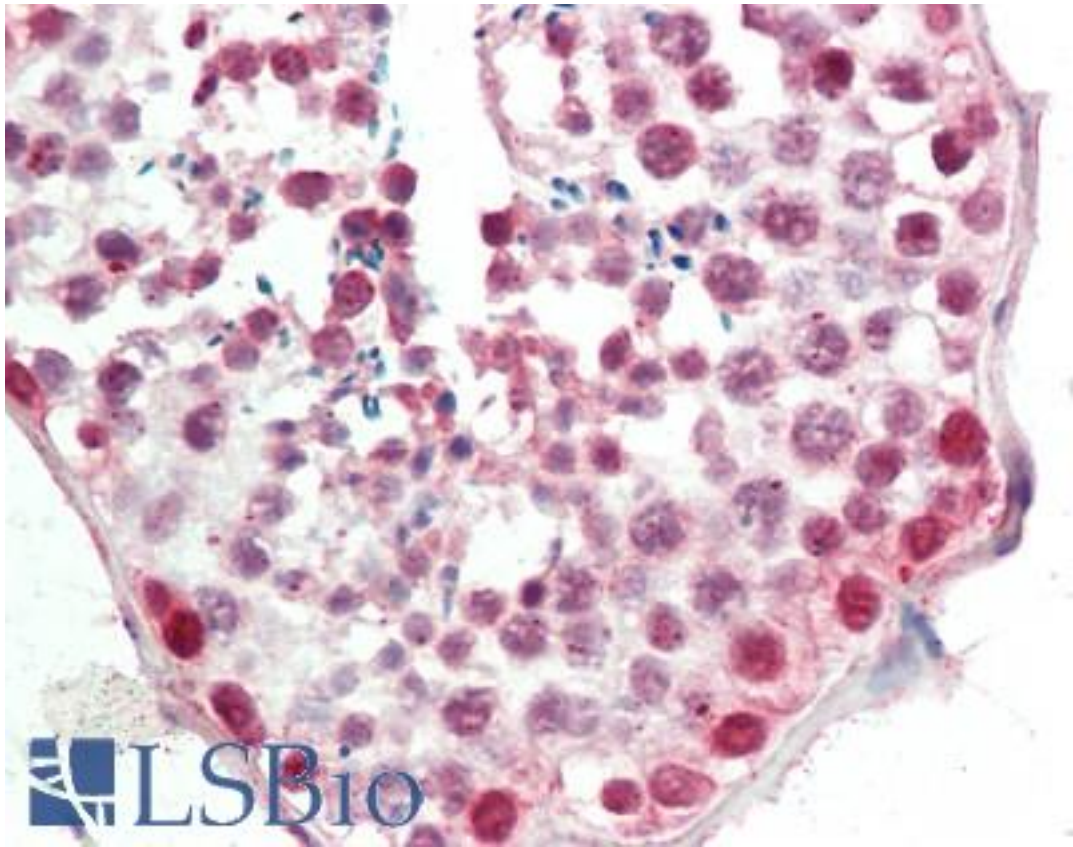
1 mg/ml

**Immunohistochemistry Image:**



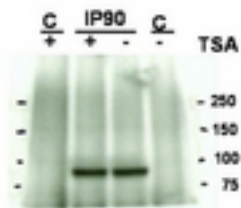
Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)

**Immunohistochemistry Image:**



Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)

**Western Blot Image:**



Western Blot - Anti-Hsp90 Acetyl K29 Antibody. Western blot of Affinity Purified anti-Hsp90 acetyl K294 antibody shows detection of a band at ~90 kD corresponding to Hsp90 in an SkBr3 cell lysate (arrowhead) after treatment with Trichostatin A (an HDAC inhibitor). Western blotting 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). Immunoprecipitation with anti-Hsp90 was performed prior to western blotting with anti-Hsp90 acetyl K294.

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

Not for resale without prior written consent from LifeSpan BioSciences, Inc.

Created on 9/23/2014

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