

Product datasheet for **AP05686PU-N**

HSP90AA1 / HSP90 alpha Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1:5000 - 1:25000. Western Blot: 1:500 - 1:2500; detects a band of approximately 90kDa.
Reactivity:	Chicken, Drosophila, Human, Monkey, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 289-300 of human heat shock protein 90 alpha.
Specificity:	This antibody detects heat shock protein 90 alpha (HSP90a).
Formulation:	Phosphate buffered saline pH7.2 containing 0.09% Sodium Azide (NaN ₃) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	heat shock protein 90kDa alpha family class A member 1
Database Link:	Entrez Gene 3320 Human P07900



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Background:

HSP90a is one of two HSP90 isoforms together with HSP90b. These isoforms are encoded by different genes and under normal conditions assist the folding of newly synthesised proteins, and are also important in cellular processes such as hormone signalling and cell cycle control. In response to mutation or environmental stress, HSP90 expression is upregulated as part of the heat shock response, and function to maintain newly destabilised proteins in a folding competent state. HSP90 can also affect the epigenetic state at specific loci, leading to phenotype modulation. Induction of HSP90a by c-Myc may control the activity of multiple signal pathways involved in cellular transformation.

Synonyms:

HSP90A, HSPC1, HSPCA, Heat shock 86 kDa, HSP86, NY-REN-38, Heat shock protein HSP 90-alpha