

AP06790PU-N**Polyclonal Antibody to AHA1 / AHSA1 - Aff - Purified****Alternate names:**

Activator of 90 kDa heat shock protein ATPase homolog 1, C14orf3, HSPC322

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

AHA-1 stimulates the inherent ATPase activity of yeast and human HSP 90 and interacts with the cytoplasmic tail of vesicular stomatitis virus glycoprotein. AHA-1 regulates HSP 90 by influencing the conformational state of the "ATP lid" and consequent N-terminal dimerization. It is crucial for cell viability under non-optimal growth conditions when HSP 90 levels are limiting. AHA-1 is a cytosolic protein and may transiently interact with the endoplasmic reticulum. It can have an affect on one step in the endoplasmic to Golgi trafficking. AHA-1 is expressed in numerous tissues, including brain, heart, skeletal muscle and kidney, and at lower levels in liver and placenta. It is induced by heat shock and treatment with the HSP 90 inhibitor 17-demethoxygeldanamycin.

Uniprot ID:[O95433](#)**NCBI:**[NP_036243.1](#)**GeneID:**[10598](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 151-200 of Human AHA-1.

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% sodium azide**Applications:****Western blot:** 1/500-1/1000.**Immunohistochemistry on paraffin sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 38 kDa

Specificity:This antibody detects endogenous levels of AHA-1 protein.
(region surrounding Thr183)**Species Reactivity:****Tested:** Human.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot (WB) analysis of AHA-1 antibody (Cat.-No.: AP06790PU-N) in extracts from HT-29 cells

