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AHSA1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2892a

Specification

AHSA1 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	O95433
Other Accession	Q8BK64
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38274**
Antigen Region	**1-30**

AHSA1 Antibody (N-term) - Additional Information

Gene ID 10598

Other Names
Activator of 90 kDa heat shock protein ATPase homolog 1, AHA1, p38, AHSA1, C14orf3

Target/Specificity
This AHSA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human AHSA1.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AHSA1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AHSA1 Antibody (N-term) - Protein Information

Name AHSA1

Synonyms C14orf3

Function Acts as a co-chaperone of HSP90AA1 (PubMed:29127155). Activates the ATPase activity of HSP90AA1 leading to increase in its chaperone activity (PubMed:29127155). Competes with the inhibitory co- chaperone FNIP1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:27353360). Competes with the inhibitory co-chaperone TSC1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:29127155).

Cellular Location
Cytoplasm, cytosol. Endoplasmic reticulum. Note=May transiently interact with the endoplasmic reticulum

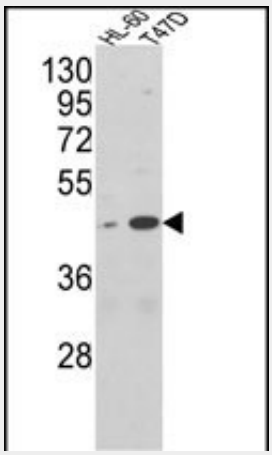
Tissue Location
Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.

AHSA1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

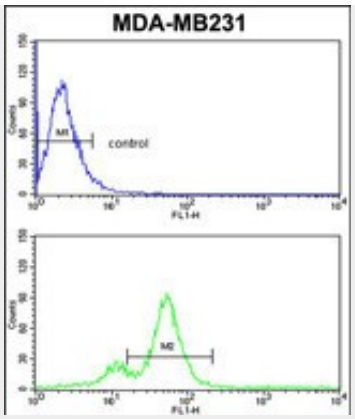
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AHSA1 Antibody (N-term) - Images



Western blot analysis of AHSA1 Antibody (N-term) (Cat. #AP2892a) in HL-60, T47D cell line lysates (35ug/lane). AHSA1 (arrow) was detected using the purified Pab.

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AHSA1 Antibody (N-term) (Cat. #AP2892a) flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

AHSA1 Antibody (N-term) - Background

AHSA1 is a cochaperone that stimulates HSP90 ATPase activity. This protein may affect a step in the endoplasmic reticulum to Golgi trafficking.

AHSA1 Antibody (N-term) - References

Wang,X.,et. al., Cell 127 (4), 803-815 (2006)
Panaretou,B., et. al., Mol. Cell 10 (6), 1307-1318 (2002)