10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

AHA1 Antibody
Catalog # ASM10442

Specification

AHA1 Antibody - Product Information

Application	ICC/IF, WB
Primary Accession	Q8BK64
Other Accession	NP_666148.1
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal

Description
Rabbit Anti-Mouse AHA1 Polyclonal

Target/Specificity
Detects ~ 38kDa.

Other Names
Activator of 90 kDa heat shock protein ATPase homolog 1 antibody, Activator of heat shock 90kDa protein ATPase homolog 1 antibody, AHA 1 antibody, AHA1 antibody, AHSA 1 antibody, AHSA1 antibody, AHSA1_HUMAN antibody, C14orf3 antibody, HSPC322 antibody, p38 antibody

Immunogen
Mouse Aha1

Purification
Protein A Purified

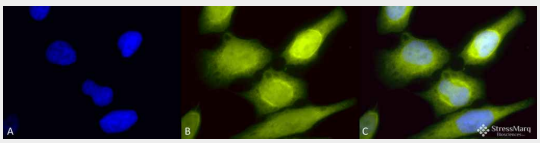
Storage	-20ºC

Storage Buffer
PBS pH7.4, 50% glycerol, 0.09% sodium azide

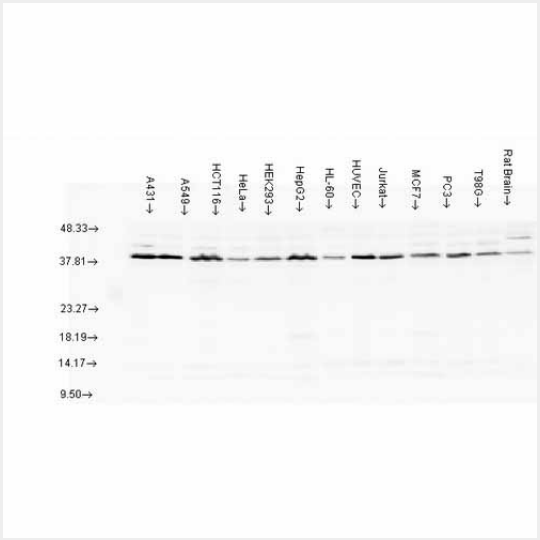
Shipping Temperature	Blue Ice or 4ºC

Certificate of Analysis
1 µl/ml of SPC-183 was sufficient for detection of Aha1 in 10 µg of mixed human cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Cellular Localization
Cytoplasm | Endoplasmic Reticulum



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-AHA1 Polyclonal Antibody (ASM10442). Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-AHA1 Polyclonal Antibody (ASM10442) at 1:60 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Endoplasmic reticulum. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-AHA1 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.



Western blot analysis of multiple Cell line lysates showing detection of AHA1 protein using Rabbit Anti-AHA1 Polyclonal Antibody (ASM10442). Load: 15 µg protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-AHA1 Polyclonal Antibody (ASM10442) at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.

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AHA1 Antibody - 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

AHA1 Antibody - Background

Aha1 is a member of the HSP90 cochaperone family, and is thought to stimulate HSP90 ATPase activity by competing with p23 and other co-chaperones for HSP90 binding (1, 2). It may affect a step in the endoplasmic reticulum to Golgi trafficking. Aha1 also interacts with HSPCA/HSP90 and with the cytoplasmic tail of the vesicular stomatistis virus glycoproteins (VSV G) (3). Aha1 is expressed in numerous tissues, including the brain, heart, skeletal muscle, and kidney, and at low levels, the liver and placenta. Aha1 might be a potential therapeutic strategy to increase sensitivity to HSP inhibitors (4).

AHA1 Antibody - References

1. Hainzl O., Lapina M.C., Buchner J., Richter K. (2009) J Biol Chem. Epub.
2. Harst A., Lin H., Obermann W.M. (2005) Biochem J. 387 (pt.3): 789-796.
3. Lotz G.P., Brychzy A., Heinz S., Obermann W.M. (2008) J Cell Sci. 121(pt.5): 717-723.
4. Holmes J.L., Sharp S.Y., Hobbs S., Workman P. (2008) Cancer Res. 68(4): 1188-1197.