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AHSA1 / AHA1 Antibody (clone 25F2.D10)

Rat Monoclonal Antibody
Catalog # ALS14984

Specification

AHSA1 / AHA1 Antibody (clone 25F2.D10) - Product Information

Application	**IF, IHC**
Primary Accession	O95433
Reactivity	**Human, Mouse, Rat**
Host	**Rat**
Clonality	**Monoclonal**
Calculated MW	**38kDa KDa**

AHSA1 / AHA1 Antibody (clone 25F2.D10) - Additional Information

Gene ID 10598

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

Target/Specificity
Detects ~38kD protein. Can run at up to 45kD on SDS-PAGE.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
AHSA1 / AHA1 Antibody (clone 25F2.D10) is for research use only and not for use in diagnostic or therapeutic procedures.

AHSA1 / AHA1 Antibody (clone 25F2.D10) - 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

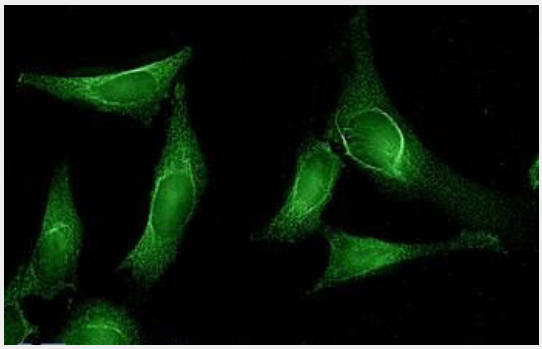
Tissue Location
Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.

AHSA1 / AHA1 Antibody (clone 25F2.D10) - Protocols

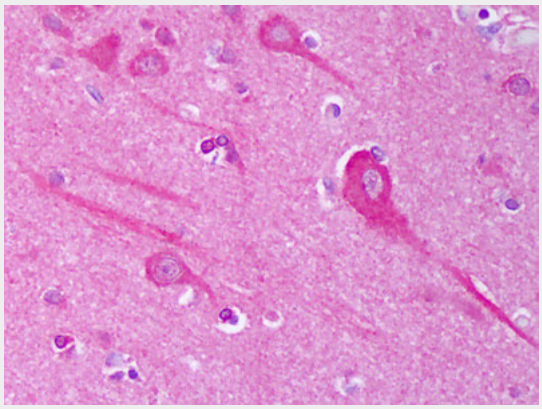
Provided below are standard protocols that you may find useful for product applications.

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

AHSA1 / AHA1 Antibody (clone 25F2.D10) - Images



IF of Aha1 tested on HeLa cell lysates.



Anti-AHSA1 / AHA1 antibody IHC of human brain, cortex neurons.

AHSA1 / AHA1 Antibody (clone 25F2.D10) - Background

Cochaperone that stimulates HSP90 ATPase activity (By similarity). May affect a step in the

endoplasmic reticulum to Golgi trafficking.

AHSA1 / AHA1 Antibody (clone 25F2.D10) - References

Michaud J.,et al.Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.