

AHSA1 / AHA1 Antibody (clone 25F2.D9)
Rat Monoclonal Antibody
Catalog # ALS14983**Specification**

AHSA1 / AHA1 Antibody (clone 25F2.D9) - 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.D9) - 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.D9) is for research use only and not for use in diagnostic or therapeutic procedures.

AHSA1 / AHA1 Antibody (clone 25F2.D9) - 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

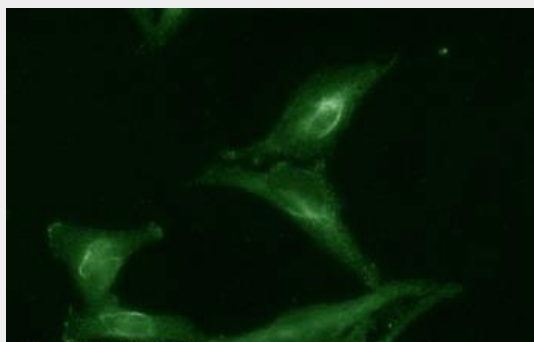
Tissue Location

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

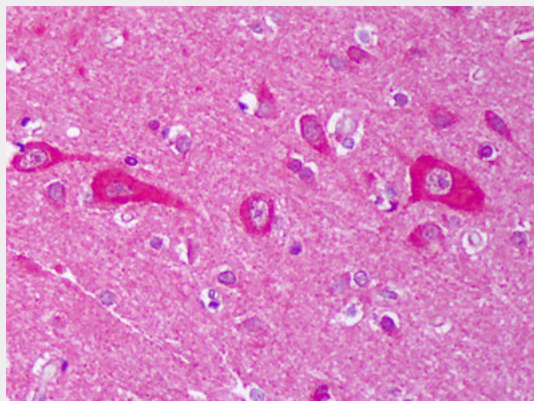
AHSA1 / AHA1 Antibody (clone 25F2.D9) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AHSA1 / AHA1 Antibody (clone 25F2.D9) - Images

IF of Aha1 tested on HeLa cell lysates.



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

AHSA1 / AHA1 Antibody (clone 25F2.D9) - 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.D9) - 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.