

S100A16 Antibody (aa1-50)
Rabbit Polyclonal Antibody
Catalog # ALS16138**Specification**

S100A16 Antibody (aa1-50) - Product Information

Application	WB
Primary Accession	Q96FQ6
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12kDa KDa

S100A16 Antibody (aa1-50) - Additional Information**Gene ID** 140576**Other Names**

Protein S100-A16, Aging-associated gene 13 protein, Protein S100-F, S100 calcium-binding protein A16, S100A16, S100F

Target/Specificity

Detects endogenous levels of S100A16.

Reconstitution & Storage

Store at -20°C.

Precautions

S100A16 Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

S100A16 Antibody (aa1-50) - Protein Information**Name** S100A16 ([HGNC:20441](#))**Synonyms** S100F**Function**

Calcium-binding protein. Binds one calcium ion per monomer (PubMed:17030513). Can promote differentiation of adipocytes (in vitro) (By similarity). Overexpression in preadipocytes increases their proliferation, enhances adipogenesis and reduces insulin-stimulated glucose uptake (By similarity).

Cellular Location

Nucleus, nucleolus. Cytoplasm. Note=Primarily nucleolar. A high intracellular calcium level induces nucleolar exit and nucleocytoplasmic transport, whereas a low intracellular calcium level leads to nuclear translocation and accumulation within specific region of nucleoli (PubMed:17030513)

Tissue Location

Ubiquitous (PubMed:14684152). Highly expressed in esophagus, adipose tissues and colon. Expressed at lower level in lung, brain, pancreas and skeletal muscle. Expression is up-regulated in tumors of bladder, lung, thyroid gland, pancreas and ovary (PubMed:14684152). Expressed in astrocytes (PubMed:17030513)

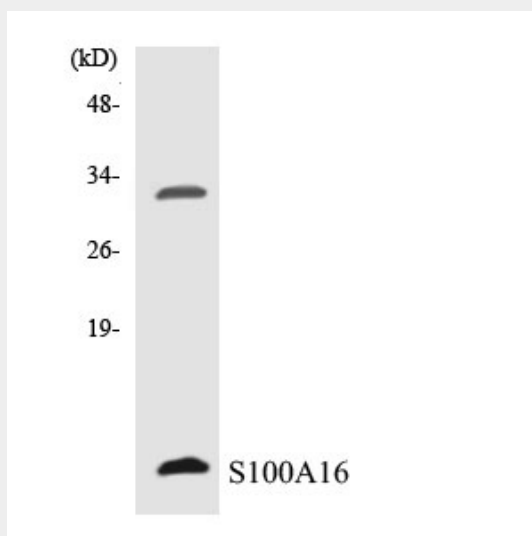
Volume

50 µl

S100A16 Antibody (aa1-50) - 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](#)

S100A16 Antibody (aa1-50) - Images

Western blot of the lysates from RAW264.7 cells using S100A16 antibody.

S100A16 Antibody (aa1-50) - Background

Calcium-binding protein. Binds one calcium ion per monomer.

S100A16 Antibody (aa1-50) - References

Marenholz I., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Morita K., et al. Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Kim J.W., et al. Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).

