10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

S-100A16 Polyclonal Antibody

Catalog # AP72382

Product Information

Application	WB, IHC-P
Primary Accession	Q96FQ6
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11801

Additional Information

Gene ID	140576
Other Names	S100A16; S100F; AAG13; Protein S100-A16; Aging-associated gene 13 protein; Protein S100-F; S100 calcium-binding protein A16
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

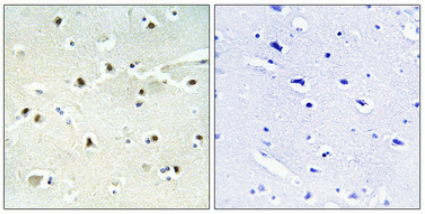
Name	S100A16 (HGNC:20441)
Synonyms	S100F
Function	Calcium-binding protein. Binds one calcium ion per monomer (PubMed:17030513). Can promote differentiation of adipocytes (in vitro) (By similarity). Overexpression in preadipocytes increases their proliferation, enhances adipogenesis and reduces insulin-stimulated 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)

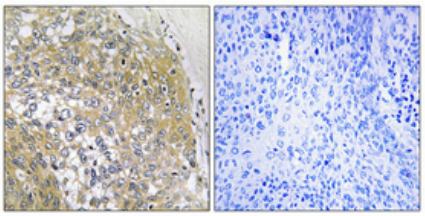
Background

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).

Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human cervix cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.