S100A1 polyclonal antibody

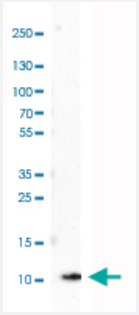
Catalog # PAB31375 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with S100A1 polyclonal antibody (Cat # PAB31375) shows nuclear and cytoplasmic positivity in subsets of glial cells.



Western Blot (Cell lysate)

Western Blot analysis of SK-MEL-30 cell lysate with S100A1 polyclonal antibody (Cat # PAB31375).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human S100A1.
Immunogen	Recombinant protein corresponding to human S100A1.
Sequence	GSELETAMETLINVFHAHSGKEGDKYKLSKKELKELLQTELSGFLDAQKDVDAVDKVMKELDEN GDGEVDFQEYVVLVAALTVACNNFFWENS
Host	Rabbit
Reactivity	Human

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with S100A1 polyclonal antibody (Cat # PAB31375) shows nuclear and cytoplasmic positivity in subsets of glial cells.

- Western Blot (Cell lysate)

  Western Blot analysis of SK-MEL-30 cell lysate with S100A1 polyclonal antibody (Cat # PAB31375).

Gene Info — S100A1

Entrez GeneID	6271
Protein Accession#	P23297
Gene Name	S100A1
Gene Alias	S100, S100-alpha, S100A
Gene Description	S100 calcium binding protein A1
Omim ID	176940
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSeq
Other Designations	OTTHUMP00000035100|S100 alpha|S100 calcium-binding protein A1|S100 protein, alpha polypeptide

Publication Reference

- CD300f immunoreceptor contributes to peripheral nerve regeneration by the modulation of macrophage inflammatory phenotype.

  Peluffo H, Solari-Saquieres P, Negro-Demontel ML, Francos-Quijorna I, Navarro X, López-Vales R, Sayós J, Lago N.

  Journal of Neuroinflammation 2015 Aug; 12:145.

  Application: IF, IHC, Mouse, Mouse sciatic nerve

Disease

- Breast cancer
- Breast Neoplasms
- Dermatitis
- DNA Damage
- Genetic Predisposition to Disease

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