

S100 alpha 6 Rabbit mAb

Catalog No: #49342

Package Size: #49342-1 50ul #49342-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

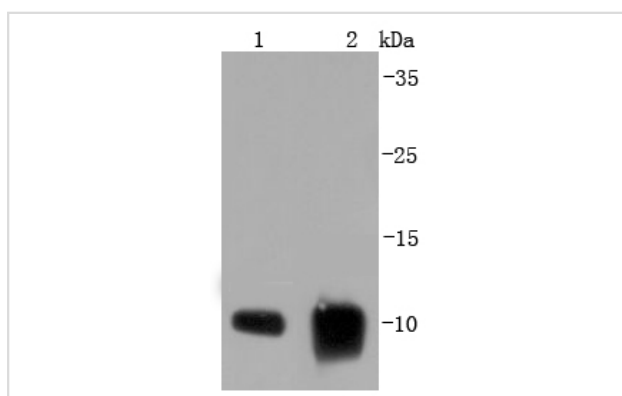
Description

Product Name	S100 alpha 6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF0976
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	2A9 antibody 5B10 antibody CABP antibody CACY antibody Calcyclin antibody Growth factor inducible protein 2A9 antibody Growth factor-inducible protein 2A9 antibody MLN 4 antibody MLN4 antibody OTTHUMP00000015472 antibody OTTHUMP00000015473 antibody PRA antibody PRAGrowth factor inducible protein 2A9 antibody Prolactin receptor associated protein antibody Prolactin receptor-associated protein antibody Protein S100 A6 antibody Protein S100-A6 antibody S100 A6 antibody S100 calcium binding protein A6 (calcyclin) antibody S100 calcium binding protein A6 antibody S100 calcium-binding protein A6 antibody S100A6 antibody S10A6_HUMAN antibody
Accession No.	Swiss-Prot#:P06703
Uniprot	P06703
GeneID	6277;
Calculated MW	10 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

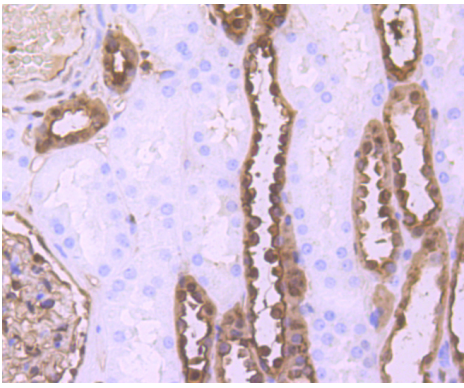
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:100-1:500 FC: 1:50-1:100

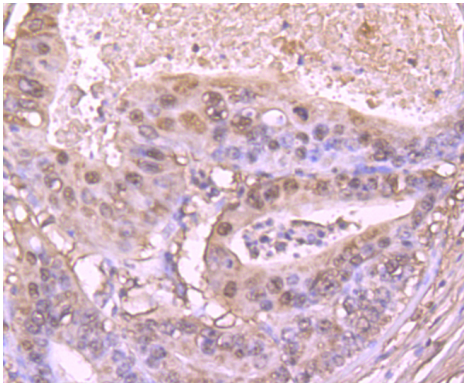
Images



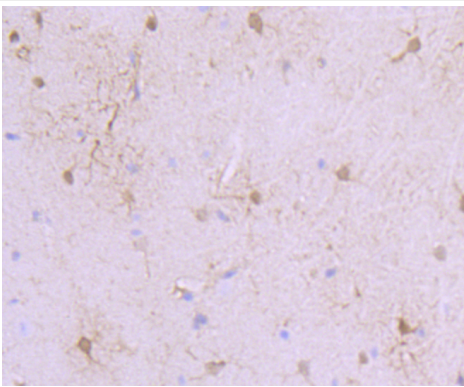
Western blot analysis of S100 alpha 6 on different lysates using anti-S100 alpha 6 antibody at 1/1,000 dilution. Positive control: Lane 1: A431 Lane 2: Mouse lung



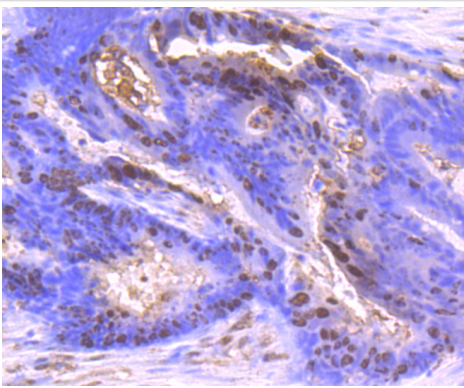
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



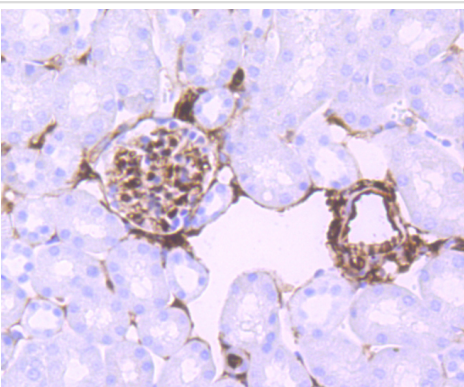
Immunohistochemical analysis of paraffin-embedded human gastric carcinoma tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



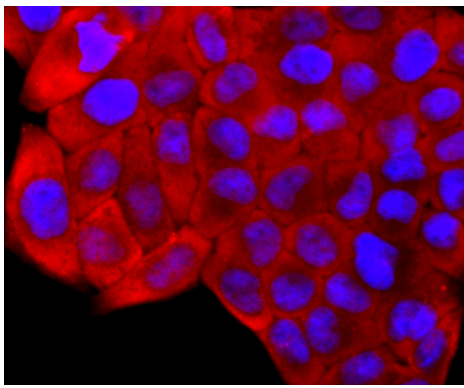
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



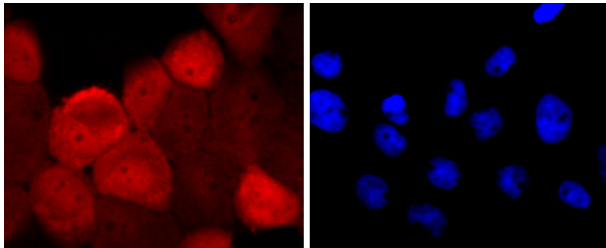
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



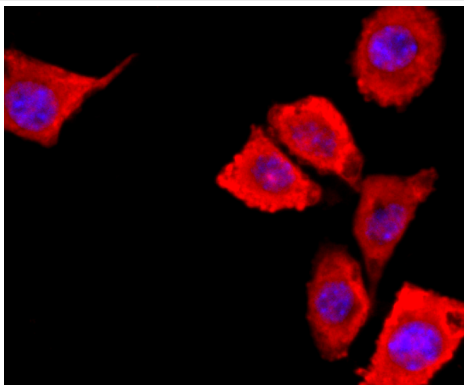
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



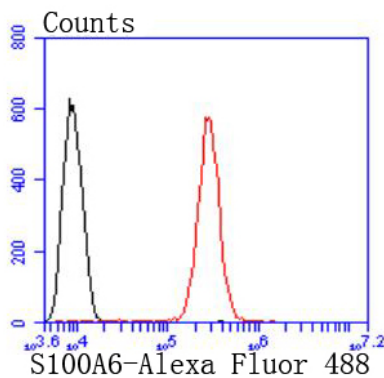
ICC staining S100 alpha 6 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining S100 alpha 6 in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining S100 alpha 6 in SH-SY-5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with S100 alpha 6 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Calcyclin, also known as Prolactin receptor-associated protein (PRA), growth factor-inducible protein 2A9, S-100 calcium-binding protein A6 (S-100A6) or MLN 4, is a homodimeric member of the S-100 calcium-binding protein family whose expression is upregulated in proliferating and differentiating cells. Calcyclin is inducible by growth factors and overexpressed in acute myeloid leukemias. It is expressed in a cell-specific manner in subpopulations of neurons and astrocytes and in epithelial cells and fibroblasts. Calcyclin is a specific target of S-100B protein in vivo. The binding of Calcyclin to S-100B is stabilized by S-100B-bound calcium and zinc. Calcyclin associates with both Annexin XI and CacyBP (calcyclin-binding protein). It functions to activate several processes along the calcium signal transduction pathway including the regulation of cell growth, proliferation, secretion and exocytosis.

References

Note: This product is for in vitro research use only