S100 alpha 6 Rabbit mAb

Catalog No: #49342

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

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

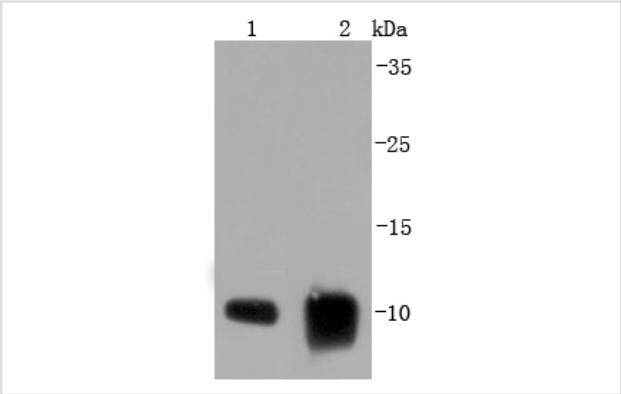
Description

Product Name	S100 alpha 6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JF0976
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
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
Calculated MW	10 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

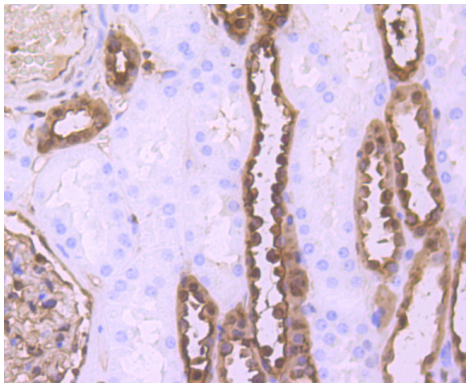
Application Details

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

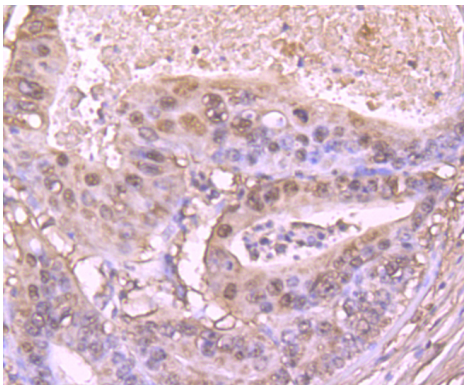
Images



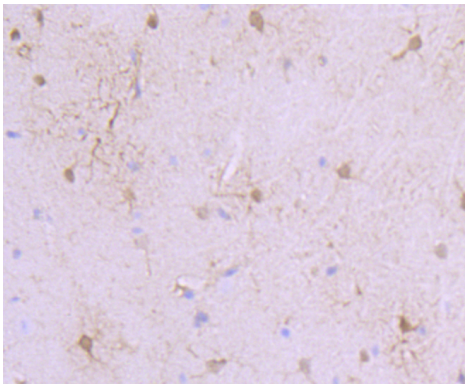
Western blot analysis of S100 alpha 6 on different lysates using anti-S100 alpha 6 antibody at 1/1,000 dilution. Positive control: Lane 1: A431 Lane 2: Mouse lung



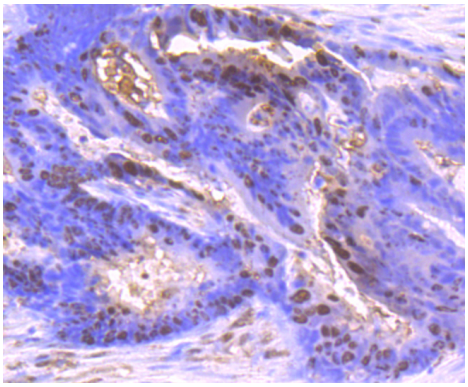
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



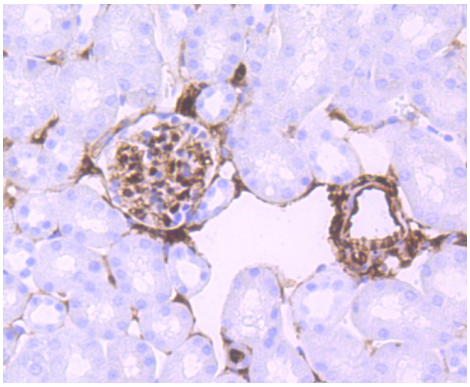
Immunohistochemical analysis of paraffin-embedded human gastric carcinoma tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



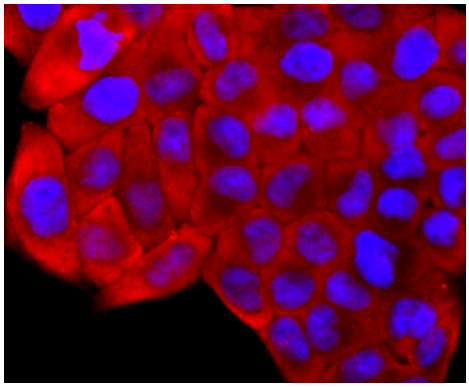
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



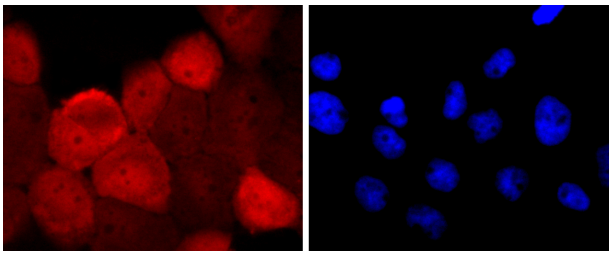
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



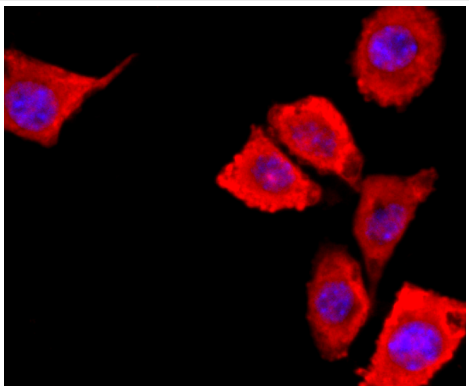
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-S100 alpha 6 antibody. Counter stained with hematoxylin.



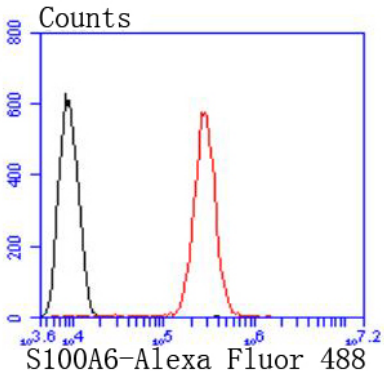
ICC staining S100 alpha 6 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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 and is not intended for use in humans or animals.