Product Name: S100A4 Mouse Monoclonal Antibody
Catalog #: AMM82951
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	11.7kDa

Antigen Information

Gene Name	S100A4
Alternative Names	42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98
Gene ID	6275.0
SwissProt ID	P26447
Immunogen	Purified recombinant fragment of human S100A4 (AA: 2-101) expressed in E. Coli.

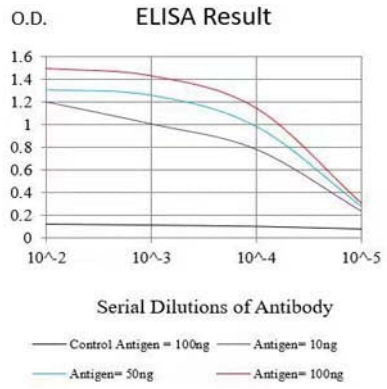
Background

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

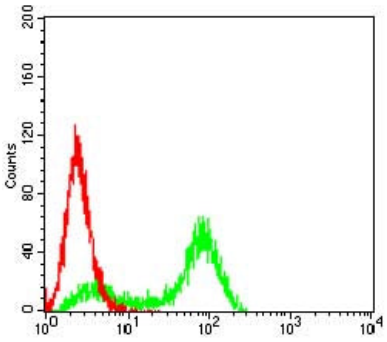
located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Research Area

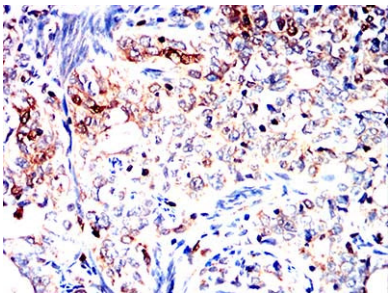
Image Data



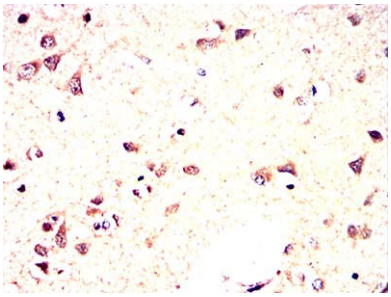
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



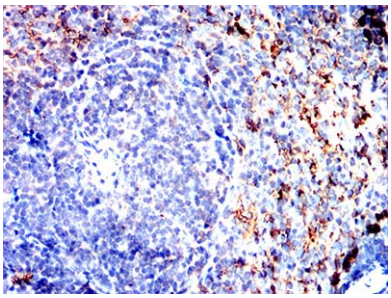
Flow cytometric analysis of Hela cells using S100A4 mouse mAb (green) and negative control (red).



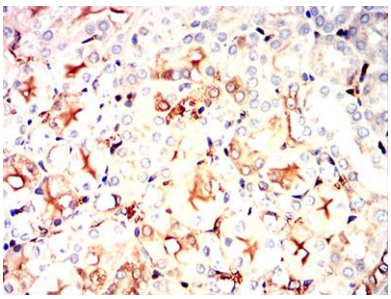
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using S100A4 mouse mAb with DAB staining.



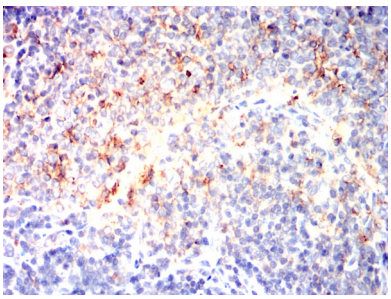
Immunohistochemical analysis of paraffin-embedded human brain tissues using S100A4 mouse mAb with DAB staining.



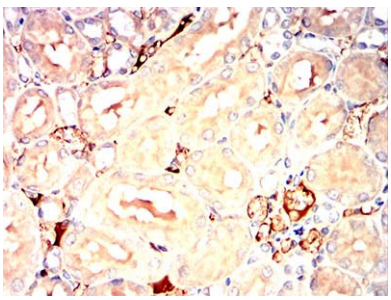
Immunohistochemical analysis of paraffin-embedded mouse spleen tissues using S100A4 mouse mAb with DAB staining.



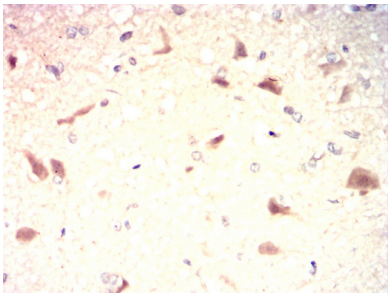
Immunohistochemical analysis of paraffin-embedded mouse kidney tissues using S100A4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rat spleen tissues using S100A4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using S100A4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rabbit brain tissues using S100A4 mouse mAb with DAB staining.