

Product datasheet for UM870066

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Calprotectin (S100A9) Mouse Monoclonal Antibody [Clone ID: UMAB173]

Product data:

Product Type: Primary Antibodies

Clone Name: UMAB173

Applications: 10k-ChIP, IF, IHC, WB

Recommended Dilution: IHC 1:100~200

Reactivity: Human
Host: Mouse
Isotype: IgG2b

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human S100A9 (NP_002956) produced in SF9 cell.

Formulation: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 13.1 kDa

Gene Name: S100 calcium binding protein A9

Database Link: NP 002956

Entrez Gene 6280 Human

P06702

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 the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic

fibrosis. [provided by RefSeq, Jul 2008]

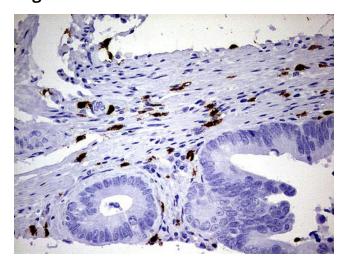




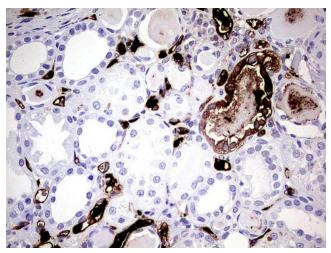
Synonyms:

60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14

Product images:

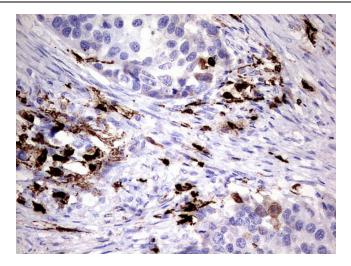


Immunohistochemical staining of paraffinembedded Adenocarcinoma of Human colon tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

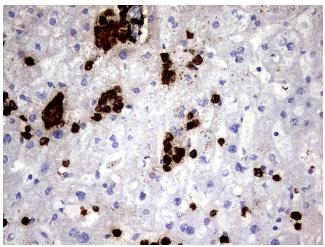


Immunohistochemical staining of paraffinembedded Human Kidney tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

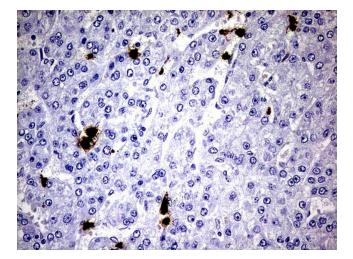




Immunohistochemical staining of paraffinembedded Carcinoma of Human kidney tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

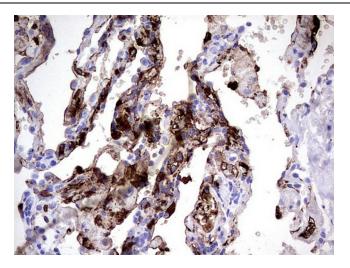


Immunohistochemical staining of paraffinembedded Human liver tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

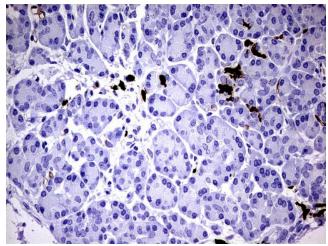


Immunohistochemical staining of paraffinembedded Carcinoma of Human liver tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

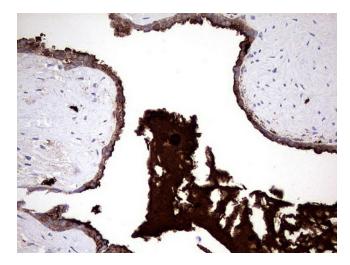




Immunohistochemical staining of paraffinembedded Human lung tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heatinduced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

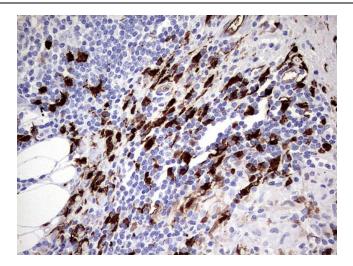


Immunohistochemical staining of paraffinembedded Human pancreas tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

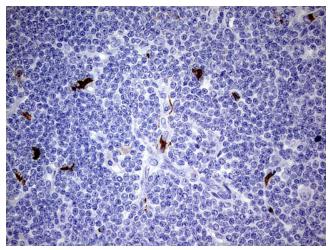


Immunohistochemical staining of paraffinembedded Carcinoma of Human prostate tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

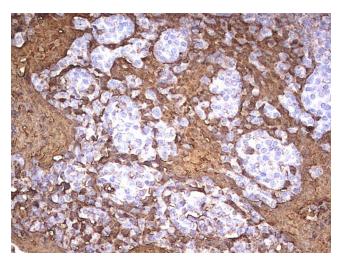




Immunohistochemical staining of paraffinembedded Human lymph node tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

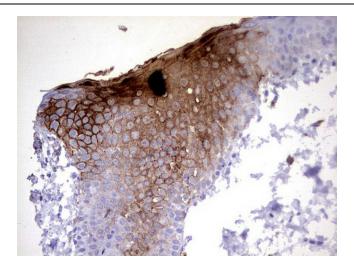


Immunohistochemical staining of paraffinembedded Human lymphoma tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

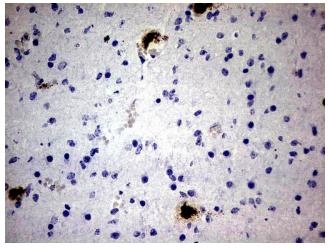


Immunohistochemical staining of paraffinembedded Human tonsil using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heatinduced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

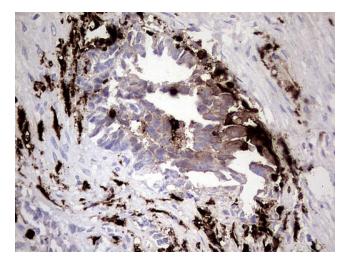




Immunohistochemical staining of paraffinembedded Human skin tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heatinduced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

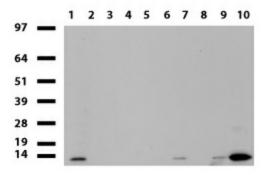


Immunohistochemical staining of paraffinembedded Human embryonic cerebellum using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

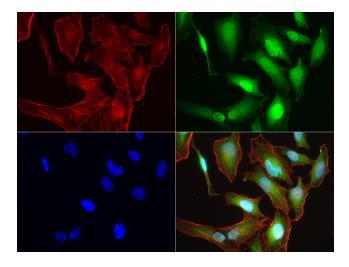


Immunohistochemical staining of paraffinembedded Human testicular cancer tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)

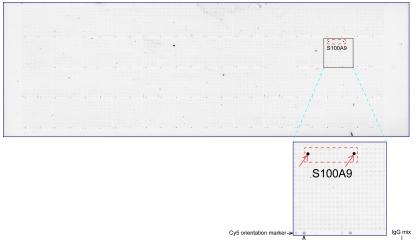




Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid 9: Colon, 10: Spleen). Diluation: 1:500.



Immunofluorescent staining of HeLa cells using anti-S100A9 mouse monoclonal antibody ([UM800066], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-S100A9 mouse monoclonal antibody ([UM800066]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.