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Product datasheet for UM800066CF

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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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

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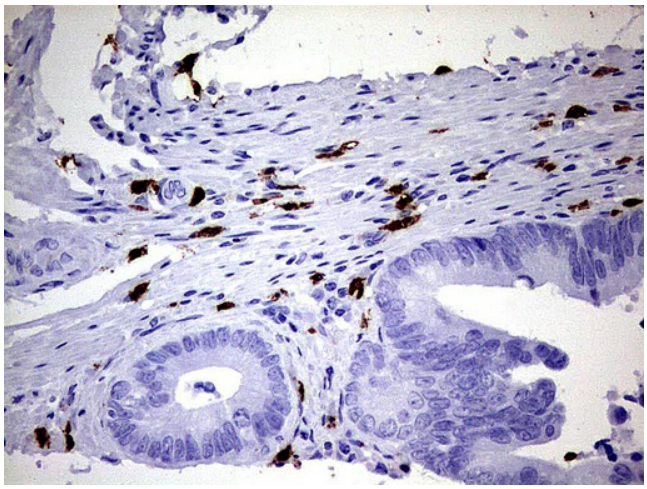
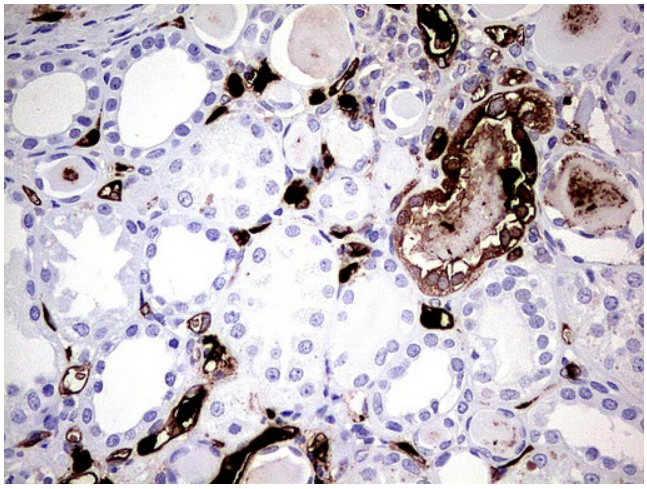
Background: The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle 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 paraffin-embedded 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 paraffin-embedded 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)

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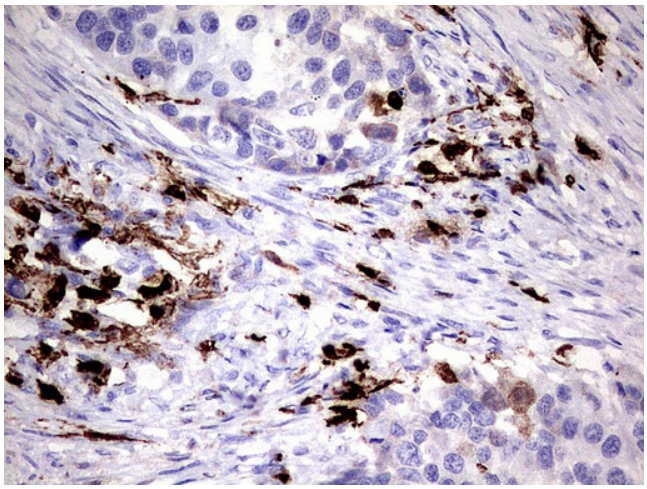
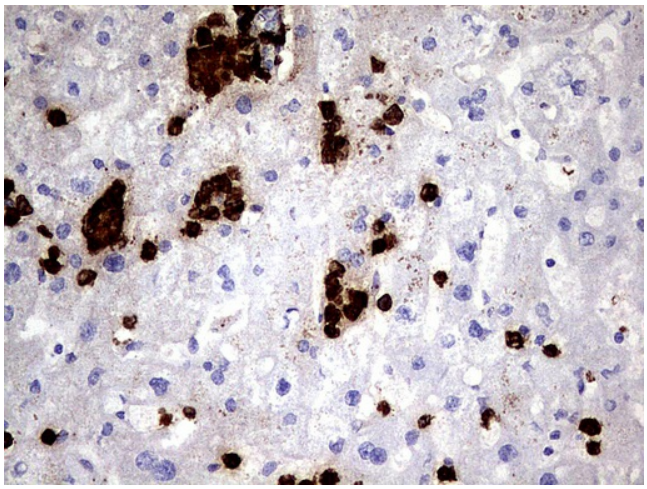
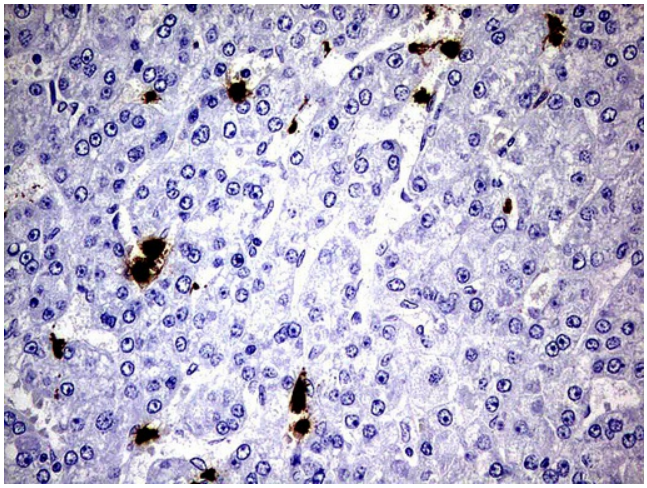


Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded 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 paraffin-embedded 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)

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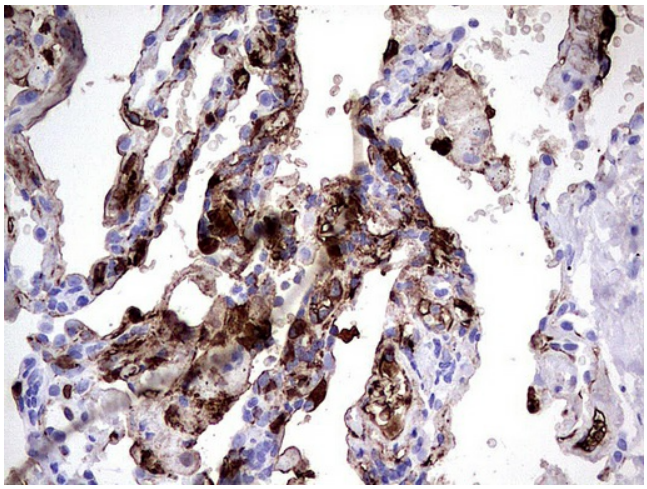
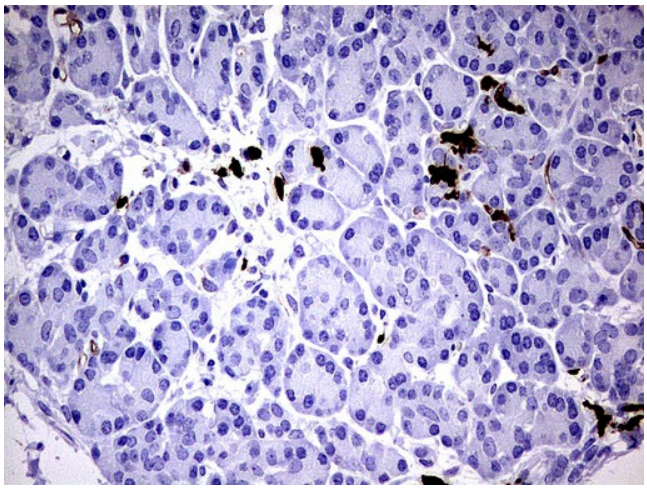
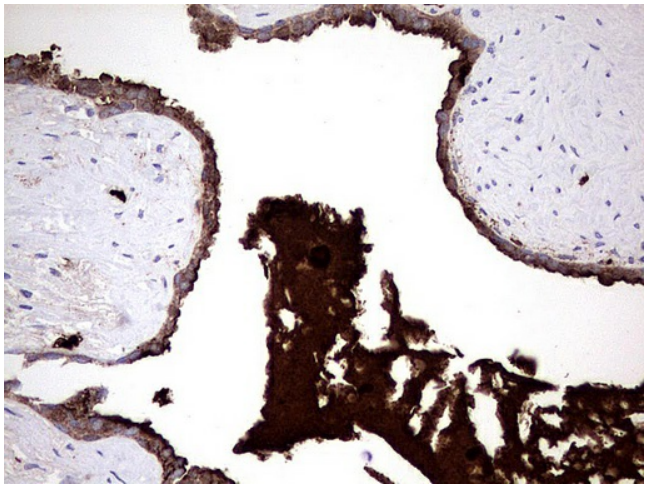


Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded 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 paraffin-embedded 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)

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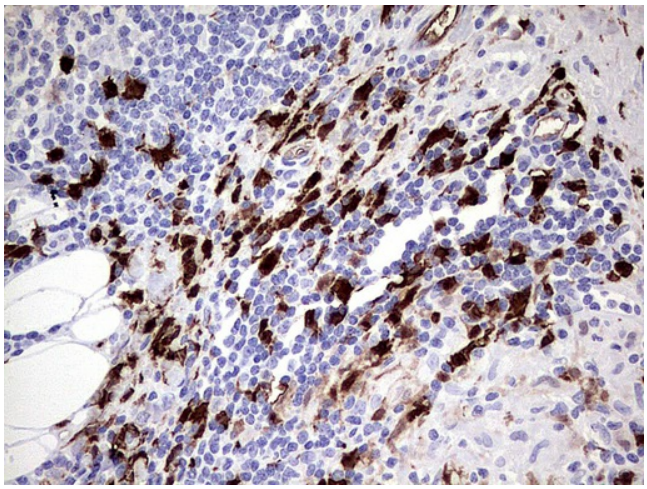
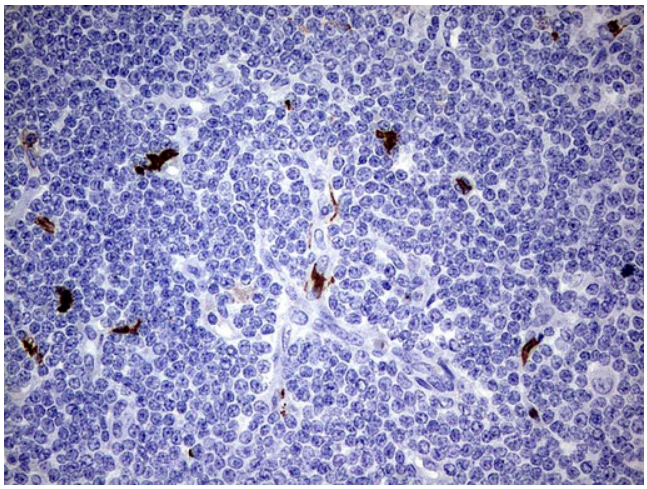
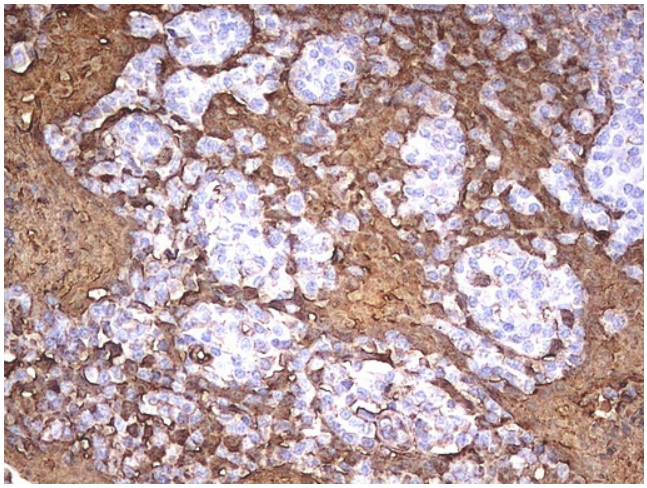


Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



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

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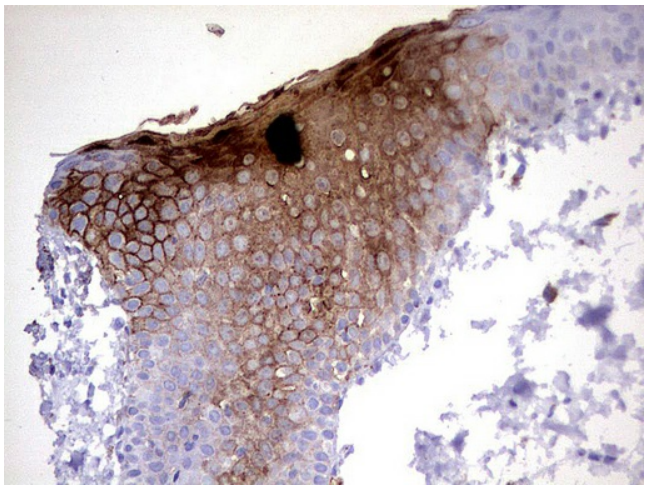
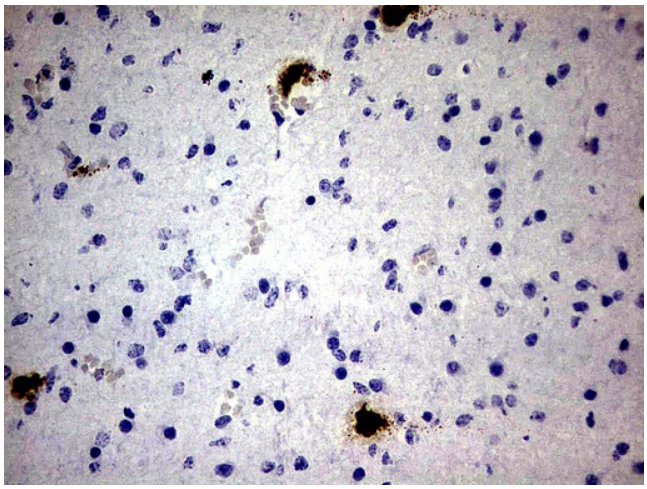
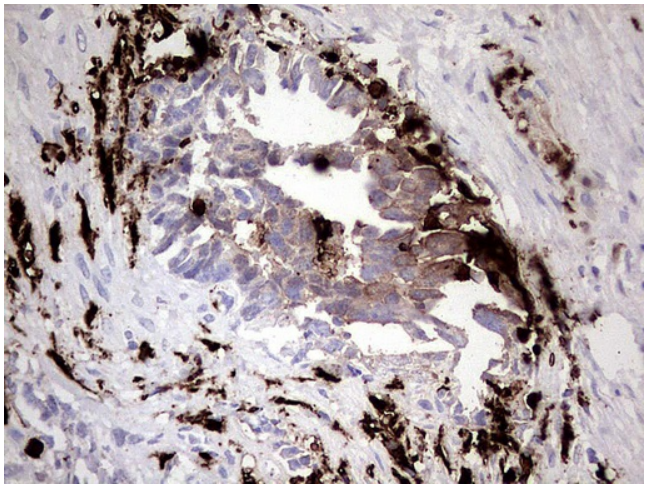


Immunohistochemical staining of paraffin-embedded Human skin tissue using anti-S100A9 mouse monoclonal antibody. ([UM800066]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded 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 paraffin-embedded 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)

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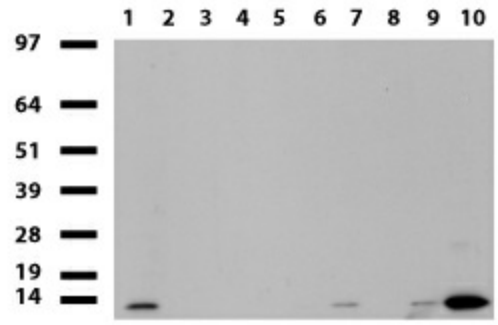
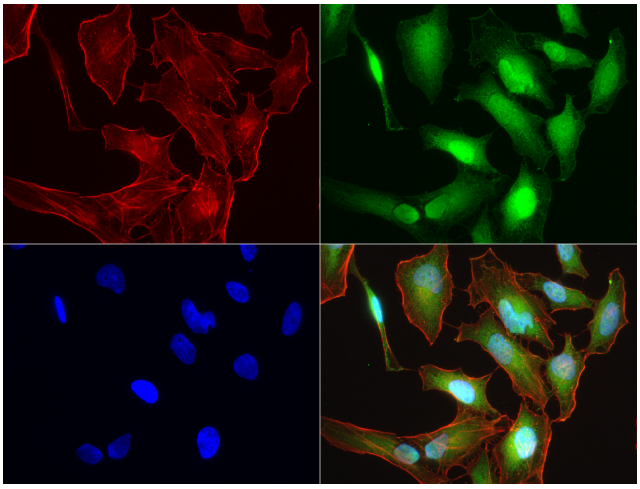
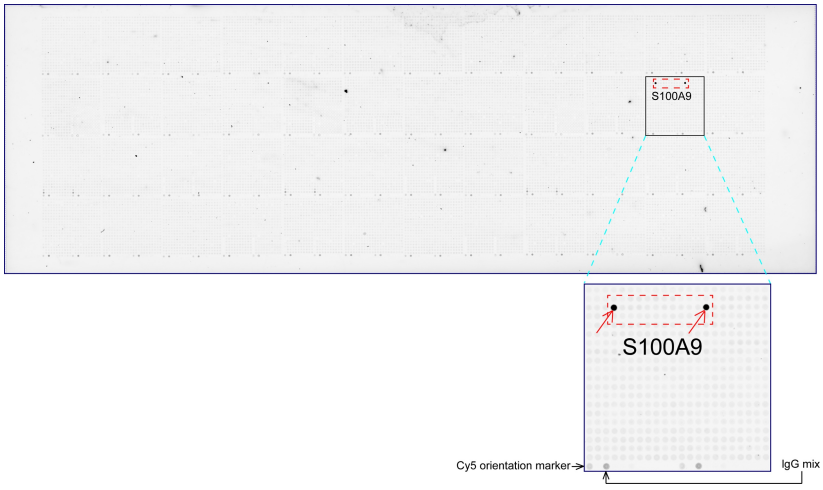


Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid 9: Colon, 10: Spleen). Diluation: 1:500.



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.

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