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10-7582: Monoclonal antibody to S100A4 (Clone: ABM48F7)

Clonality :	Monoclonal
Clone Name :	ABM48F7
Application :	WB
Reactivity :	Mouse,Human
Gene :	S100A4
Gene ID :	6275
Uniprot ID :	P26447
Format :	Purified
Alternative Name :	S100A4,CAPL,MTS1
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	full length recombinant protein of S100A4 was used as the immunogen for this antibody.

Description

significant role in angiogenesis and neurite extension. It is involved in the protection of cells from proapoptotic stimuli and stimulation of neurite outgrowth. S100A4 is commonly overexpressed in a variety of tumor types and is widely associated with metastasis by regulating the motility and invasiveness of cancer cells. S100A4 affects a number of activities, accelerating tumorigenesis and invasion of human cancers. At the molecular and cellular level, the cancer-promoting properties of S100A4 are caused by regulating cell motility, proliferation, apoptosis, and by stimulation of angiogenesis and remodelling of the extracellular matrix. Its overexpression has been documented in breast, gastric, colorectal, esophageal squamous cell and gallbladder carcinoma, ovarian and bladder cancer, papillary thyroid carcinoma and non-small cell lung cancer. In addition, its upregulation has been associated with disease progression, metastasis and decreased patient survival. However, little is known about the exact mechanisms of its action. Recent studies have linked S100A4 to some fibrotic diseases, and it is reported that S100A4 contributes to the pathogenesis of oral submucous fibrosis. There is also research evidencing that S100A4 modulates the p53 function in fibroblasts to mediate myocardial interstitial fibrosis.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 0.5-1 µg/ml

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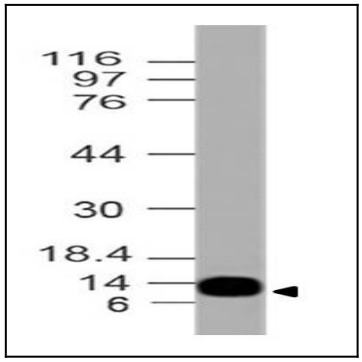

Figure-1: Expression analysis of S100A4. Anti-S100A4 antibody (Clone: ABM48F7) was tested at 0.5 µg/ml on A549 lysate.

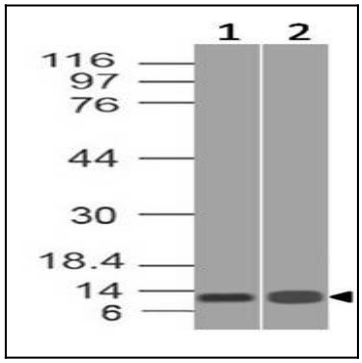

Figure-2: Expression analysis of S100A4. Anti-S100A4 antibody (Clone: ABM48F7) was tested at 0.5 µg/ml on 3T3 and Raw lysates.