

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-3120: Anti-S100A4 / Metastasin / Calvasculin (Marker of Tumor Metastasis) Monoclonal Antibody(Clone: S100A4/1482)

Clonality: Monoclonal **Clone Name:** S100A4/1482 Application: IHC,FACS,WB,IF

Reactivity: Human Gene: S100A4 Gene ID: 6275 **Uniprot ID:** P26447

S100A4; S100 calcium-binding protein A4; Calvasculin; CAPL; Fibroblast specific protein 1

**Alternative Name:** (FSP1); Leukemia multidrµg resistance associated protein; Malignant transformation

suppression 1 (MTS1); Metastasin; Placental calcium-binding protein

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant fragment of human S100A4 protein (aa1-200) (exact sequence is proprietary)

## **Description**

S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, 64 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

## **Product Info**

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Western Blot (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

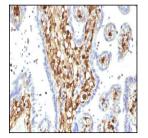


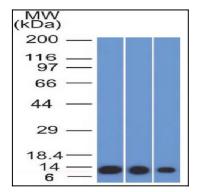
Fig. 1: Formalin-fixed, paraffin-embedded human Placenta stained with \$100A4 Mouse Monoclonal Antibody (\$100A4/1482).





9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com



**\*** abeomics

Fig. 2: Western Blot of HeLa, A549 and A375 cell lysate using S100A4 Mouse Monoclonal Antibody (S100A4/1482).

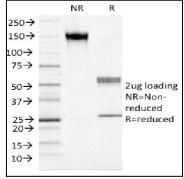


Fig. 3: SDS-PAGE Analysis Purified S100A4 Mouse Monoclonal Antibody (S100A4/1482). Confirmation of Integrity and Purity of Antibody.

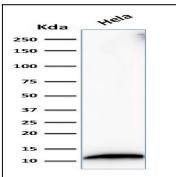


Fig. 4: Western Blot Analysis of HeLa cell lysate using S100A4 Mouse Monoclonal Antibody (S100A4/1482).

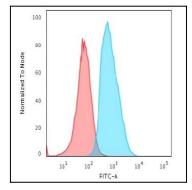


Fig. 5: Flow Cytometric Analysis of T98G cells using S100A4 Mouse Monoclonal Antibody (S100A4/1482) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

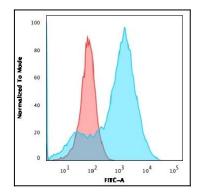


Fig. 6: Flow Cytometric Analysis of A549 cells using S100A4 Mouse Monoclonal Antibody (S100A4/1482) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).