Recombinant S100A4 / Metastasin / Calvasculin (Marker of Tumor Metastasis) Antibody

Rabbit Monoclonal Antibody [Clone S100A4/2750R]

Catalog No	Format	Size
6275-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6275-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6275-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

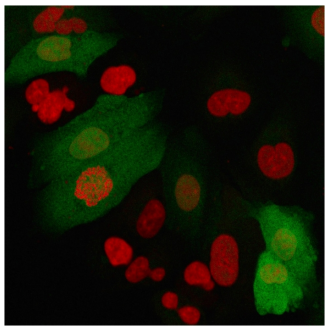
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

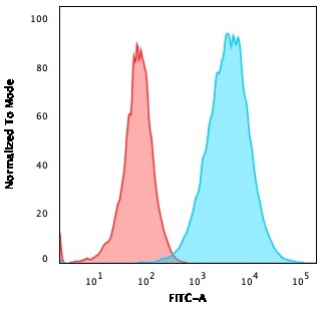
Clone	S100A4/2750R
Immunogen	Recombinant fragment (around aa2-101) of the human S100A4 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	11.73kDa
Cellular Localization	Cytoplasm, Nucleus, Secreted
Species Reactivity	Human
Positive Control	HeLa, A549 or A375 cells. Heart, Lung, Spleen, Placenta.

**Optimal dilution for a specific application should be determined.*

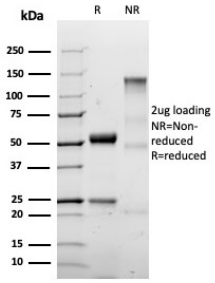
Product Images for Recombinant S100A4 / Metastasin / Calvasculin (Marker of Tumor Metastasis) Antibody



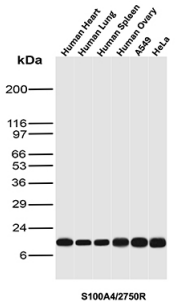
Immunofluorescence staining of A549 cells using S100A4 Recombinant Rabbit Monoclonal Antibody (S100A4/2750R) followed by goat anti-Mouse IgG-CF488 (green). Nuclei are stained with Reddot.



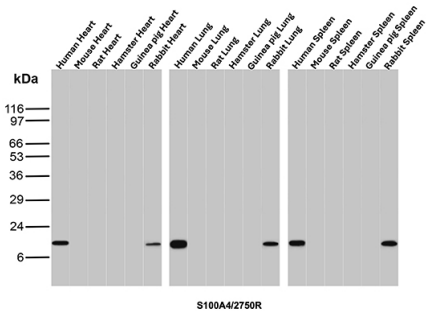
Flow Cytometric Analysis of A549 cells using S100A4 Recombinant Rabbit Monoclonal Antibody (S100A4/2750R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



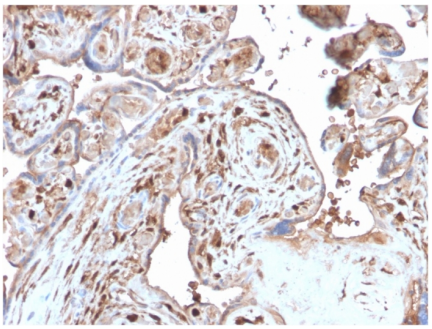
SDS-PAGE Analysis Purified S100A4Recombinant Rabbit MonoclonalAntibody (S100A4/2750R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Heart, Human Lung, Human Spleen, Human Ovary, A549, and HeLa lysates using S100A4 Recombinant Rabbit Monoclonal Antibody (S100A4/2750R).



Western Blot Analysis of Heart, Lung and Spleen tissue lysates of different species using S100A4 Recombinant Rabbit Monoclonal Antibody (S100A4/2750R).



Formalin-fixed, paraffin-embedded human Placenta stained with S100A4 Recombinant Rabbit Monoclonal Antibody (S100A4/2750R).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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