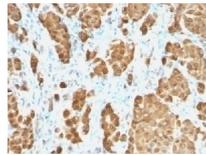




Recombinant S100B Antibody [S100B/1706R]

Cat. No.: 33-710



Recombinant S100B Antibody [S100B/1706R]

Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Bovine, Human, Mouse, Rat
IMMUNOGEN:	Full length human recombinant S100B protein was used as the immunogen for this recombinant S100B antibody.
TESTED APPLICATIONS:	Flow, IF, IHC-P, WB
APPLICATIONS:	<p>Flow Cytometry: 0.5-1 ug/million cells in 0.1ml</p> <p>Immunofluorescence: 1-2 ug/ml</p> <p>Western blot: 0.5-1 ug/ml</p> <p>Immunohistochemistry (FFPE): 0.25-0.5 ug/ml for 30 min at RT</p> <p>Prediluted IHC only format: incubate for 30 min at RT (1)</p> <p>The optimal dilution of the recombinant S100B antibody for each application should be determined by the researcher.</p> <p>1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.</p>

Ψ Properties

PURIFICATION:	Protein A affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG, kappa
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8 °C. Avoid freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	S100B
ALTERNATE NAMES:	Protein S100-B, S-100 protein beta chain, S-100 protein subunit beta, S100 calcium-binding protein B, S100B
GENE ID:	6285
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Background and References

BACKGROUND:	<p>S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family. S100A is composed of an alpha and a beta chain whereas S100B is composed of two beta chains. This antibody is specific against an epitope located on the beta-chain (i.e. in S-100A and S-100B) but not on the alpha-chain of S-100 (i.e. in S-100A and S100A0). This antibody can be used to localize S-100A and S-100B in various tissue sections. S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, Schwann cells, epithelial and myoepithelial cells of the breast, salivary and sweat glands, as well as in glial cells. Neoplasms derived from these cells also express S-100 protein, albeit non-uniformly. A large number of well-differentiated tumors of the salivary gland, adipose and cartilaginous tissue, and Schwann cell-derived tumors express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein.</p>
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