

Product Datasheet

Anti-S100 β Rabbit pAb



WL00789

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-S100 β Rabbit pAb		
Source	Rabbit		
Species reactivity	Human		
Tested applications	Western blot	1:500-1:1000	
	Immunohistochemistry	1:100	
Cellular localization	Cytoplasm. Nucleus.		
Pack size	50/100/200/500/1000 μ l		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	The S-100 protein is involved in the regulation of cellular processes such as cell cycle progression and differentiation. S100 proteins regulate a variety of cellular processes such as cell growth and motility, cell cycle progression, transcription, and differentiation. S-100 is also detected in almost all benign naevi, malignant melanocytic tumours and in Langerhans cells in the skin. Calbindin, S-100 proteins and parvalbumin proteins are each expressed in neural tissues. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca ²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of S100 β .
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

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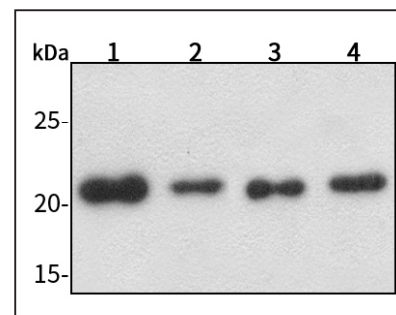
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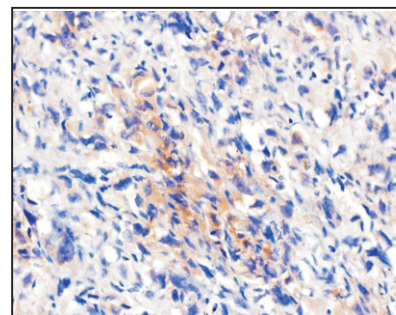
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Product Images



Western blot-Anti-S100 β pAb

Lane 1: Human HepG2 cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human BGC-823 cell lysate
Lane 4: Human MGC-803 cell lysate
All lanes: Anti-S100 β at 1:1000 dilution
Lysates/proteins at 20-50 μ g per lane.
Predicted band size: 11 kDa
Observed band size: 22 kDa (S-100 β dimer)



Immunohistochemistry-Anti-S100 β pAb

Sample: Human osteosarcoma tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:100, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB