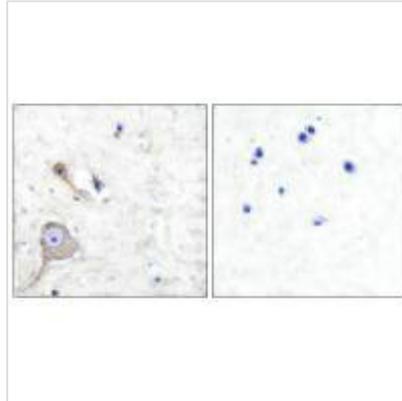


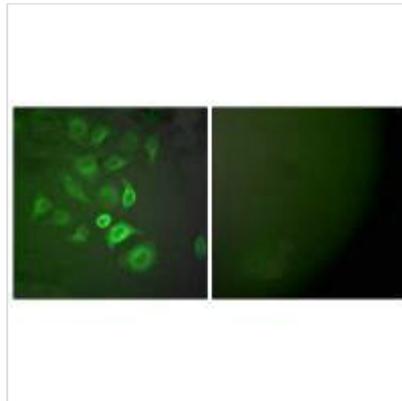


S100A1 Antibody

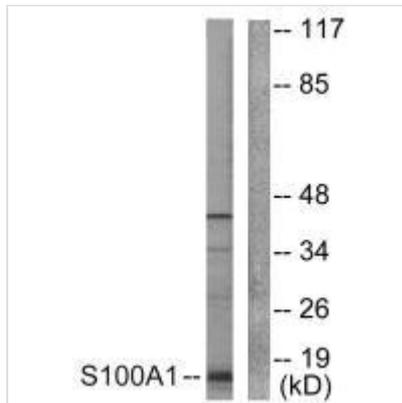
Product Code	CSB-PA224994
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P23297
Immunogen	Synthesized peptide derived from Human S100 A1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total S100 A1 protein.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:3000,IHC:1:50-1:100,IF:1:100-1:500
Relevance	<p>Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity.</p> <p>Patrick Most, J. Biol. Chem., Nov 2003; 278: 48404 - 48412. Miki Okada, J. Biol. Chem., Feb 2004; 279: 4221 - 4233. Melanie Boerries, Mol. Cell. Biol., Jun 2007; 27: 4365 - 4373. Patrick Most, J. Clin. Invest., Dec 2004; 114: 1550 - 1563.</p>
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	S100-ALPHA ; S100 CALCIUM-BINDING PROTEIN A1;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	S100A1
Image	



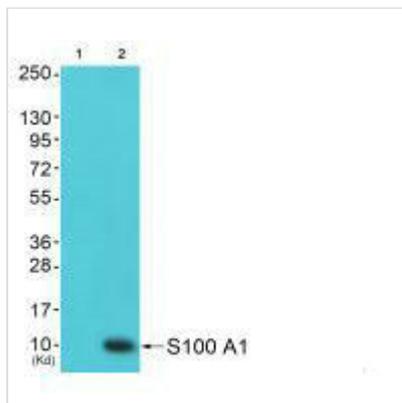
Immunohistochemical analysis of paraffin-embedded human brain tissue using S100 A1 antibody.



Immunofluorescence analysis of A549 cells, using S100 A1 antibody.



Western blot analysis of extracts from A549 cells, using S100 A1 antibody.



Western blot analysis of extracts from 293 cells (Lane 2), using S100 A1 antibody. The lane on the left is treated with synthesized peptide.