

S100A4 Polyclonal Antibody

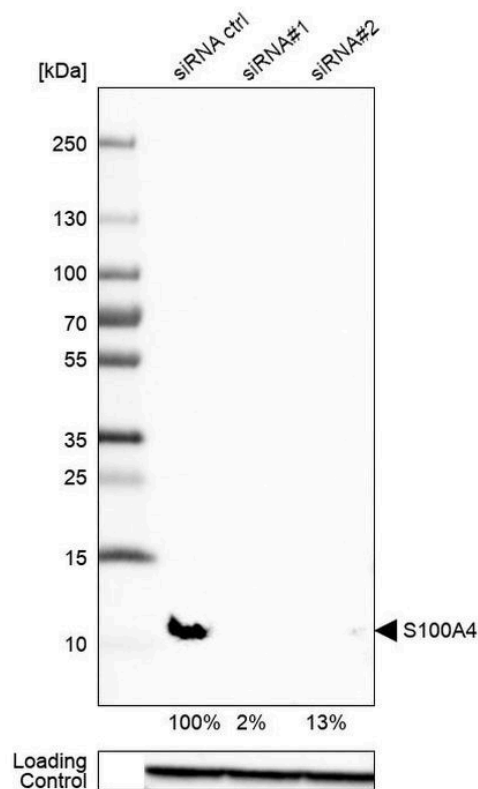
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human S100A4
Form	Liquid
Concentration	0.2 mg/mL
Purification	Anitgen affinity chromatography, Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2789481

Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:1,000-1:2,500	2 Publications

Product Specific Information

Immunogen sequence: MACPLEKALD VMVSTFHKYS GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGFPDKQPRK K

Product Images For S100A4 Polyclonal Antibody

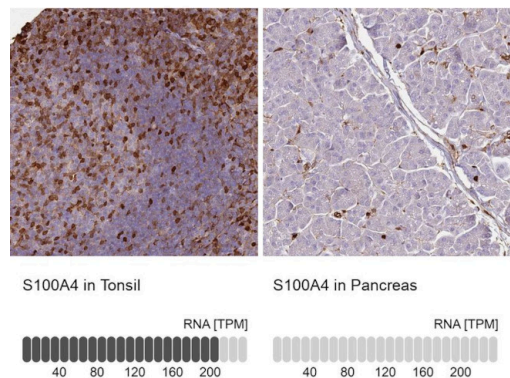


S100A4 Antibody (PA5-82322)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-549 cells were transfected with, control siRNA, S100A4 siRNA probe #1, and S100A4 siRNA probe #2 and a decrease in signal intensity was observed in Western Blot application using anti-S100A4 Polyclonal Antibody (Product # PA5-82322) used at a dilution of 0.4 µg/mL. Anti-S100A4 was used as a loading control. {KD}

S100A4 Antibody (PA5-82322)

Relative expression in different tissues in IHC: Detection of differential expression levels of S100A4 demonstrates antibody specificity. Immunohistochemical analysis of S100A4 using anti-S100A4 Polyclonal Antibody (Product #PA5-82322), shows significant staining of S100A4 in tonsil and shows minimal or weak staining in pancreas tissues. The relative expression levels of S100A4 within each tissue is shown using RNA-Seq. {RE}



Immunohistochemistry (2)

<p>Frontiers in oncology</p> <p>Angiogenesis regulators S100A4, SPARC and SPP1 correlate with macrophage infiltration and are prognostic biomarkers in colon and rectal cancers.</p> <p>"Published figure using S100A4 polyclonal antibody (Product # PA5-82322) in Immunohistochemistry"</p> <p>Authors: Kazakova E,Rakina M,Sudarskikh T,Iamshchikov P,Tarasova A,Tashireva L,Afanasiev S,Dobrodeev A, Zhuikova L,Cherdyntseva N,Kzhyskowska J,Larionova I</p>	<p>Year 2023</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>American journal of physiology. Lung cellular and molecular physiology</p> <p>Low-dose hyperoxia primes airways for fibrosis in mice after influenza A infection.</p> <p>"PA5-82322 was used in Immunohistochemistry to reveal how low doses of oxygen that do not durably change lung function may prime it for hyperreactive airways disease by changing expression of genes, such as TSP-1, thus helping to explain why former preterm infants who have normal lung function are susceptible to airway obstruction and increased morbidity after viral infection."</p> <p>Authors: Dylag AM,Haak J,Warren R,Yee M,Pryhuber GS,O'Reilly MA</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>

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