Datasheet for ABIN7602920

anti-S100A14 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	S100A14
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100A14 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-S100A14 Antibody
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human S100A14, which shares 93.8% amino acid (aa) sequence identity with mouse S100A14.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-A14 Antibody Picoband® (ABIN7602920). Tested in IHC applications. This antibody reacts with Human.
Purification:	Immunogen affinity purified.

Target Details

Target:	S100A14
Alternative Name:	S100A14 (S100A14 Products)
Background:	Synonyms: ELAV-like protein 2, ELAV-like neuronal protein 1, Hu-antigen B, HuB, Nervous system-specific RNA-binding protein Hel-N1, ELAVL2, HUB Tissue Specificity: Brain, neural-specific. Background: S100 calcium binding protein A14 (S100A14) is a protein that in humans is encoded by the S100A14 gene. This gene encodes a member of the S100 protein family which contains an EF-hand motif and binds calcium. The gene is located in a cluster of S100 genes on chromosome 1. Levels of the encoded protein have been found to be lower in cancerous tissue and associated with metastasis suggesting a tumor suppressor function.
Molecular Weight:	18 kDa
Gene ID:	57402
Pathways:	Activation of Innate immune Response, S100 Proteins

Application Details

Application Notes:	Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human 1. Adam, P. J., Boyd, R., Tyson, K. L., Fletcher, G. C., Stamps, A., Hudson, L., Poyser, H. R., Redpath, N., Griffiths, M., Steers, G., Harris, A. L., Patel, S., Berry, J., Loader, J. A., Townsend, R. R., Daviet, L., Legrain, P., Parekh, R., Terrett, J. A. Comprehensive proteomic analysis of breast cancer cell membranes reveals unique proteins with potential roles in clinical cancer. J. Biol. Chem. 278: 6482-6489, 2003. 2. Chen, H., Yu, D., Luo, A., Tan, W., Zhang, C., Zhao, D., Yang, M., Liu, J., Lin, D., Liu, Z. Functional role of S100A14 genetic variants and their association with esophageal squamous cell carcinoma. Cancer Res. 69: 3451-3457, 2009. 3. Pietas, A., Schluns, K., Marenholz, I., Schafer, B. W., Heizmann, C. W., Petersen, I. Molecular cloning and characterization of the human S100A14 gene encoding a novel member of the S100 family. Genomics 79: 513-522, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.