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Datasheet for ABIN7126919

Recombinant anti-S100P antibody (C-Term)

Overview

Quantity:	100 µg
Target:	S100P
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This S100P antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment corresponding to C-terminal of human S100P protein
Isotype:	IgG
Specificity:	S100P is a 95-amino-acid protein and a member of the S100 family. S100P has been shown to mediate tumor growth, metastasis and invasion through the binding of Ca ²⁺ ions, receptor for advanced glycation end products, cytoskeletal protein ezrin, calcyclin-binding protein/Siah-1-interacting protein and cathepsin D. S100P highly expressed in human placenta, gastrointestinal tract, and esophageal mucosa, but always negative in pancreas and liver. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes. S100P could potentially serve as diagnostic marker, prognostic/predictive indicator and therapy

Product Details

target for different carcinomas.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: S100P

Alternative Name: S100P ([S100P Products](#))

Background: Migration inducing gene 9 (MIG9), S100E, S100 calcium binding protein P,S100P
Cellular localisation: Nucleus. Cytoplasm. Colocalizes with S100PBP in the nucleus.

Molecular Weight: 10kDa

Gene ID: 6286, 2962

UniProt: [P25815](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Toll-Like Receptors Cascades](#), [S100 Proteins](#)

Application Details

Application Notes: Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: Human pancreatic adenocarcinoma, placenta or spleen tissue.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months