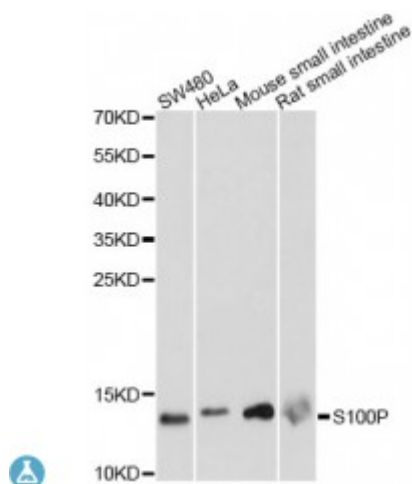


Anti-S100P Antibody



Description

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca^{2+} , also binds Zn^{2+} and Mg^{2+} . This protein may play a role in the etiology of prostate cancer.

Model	STJ116980
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-95 of human S100P (NP_005971.1).
Gene ID	6286
Gene Symbol	S100P
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Detected in all of the tissues except brain, testis and small intestine, expression level is higher in placenta, heart, lung, skeletal muscle, spleen and leukocyte, Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Protein S100-P Migration-inducing gene 9 protein MIG9 Protein S100-E S100 calcium-binding protein P
Molecular Weight	10.4 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10504 OMIM:600614 Reactome:R-HSA-6798695
Alternative Names	Protein S100-P Migration-inducing gene 9 protein MIG9 Protein S100-E S100 calcium-binding protein P
Function	May function as calcium sensor and contribute to cellular calcium signaling, In a calcium-dependent manner, functions by interacting with other proteins, such as EZR and PPP5C, and indirectly plays a role in physiological processes like the formation of microvilli in epithelial cells, May stimulate cell proliferation in an autocrine manner via activation of the receptor for activated glycation end products (RAGE),
Cellular Localization	Nucleus, Cytoplasm, Cell projection, microvillus membrane,

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