



## S100P mouse mAb(ABT229)

Catalog No	BYab-15622
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	S100P S100E
Protein Name	S100P
Immunogen	Synthesized peptide derived from human S100P
Specificity	The antibody can specifically recognize human S100P protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.124% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Protein S100-P (Protein S100-E;S100 calcium-binding protein P)
Observed Band	
Cell Pathway	Nucleus. Cytoplasm. Cell projection, microvillus membrane. Colocalizes with S100PBP in the nucleus. Colocolizes with EZR in the microvilli in a calcium-dependent manner.
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.
Function	miscellaneous:This protein binds two calcium ions.,similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains.,subcellular location:Colocalizes with S100PBP in the nucleus.,subunit:Homodimer. Interacts with S100PBP and S100Z.,tissue specificity:Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias.,
Background	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

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



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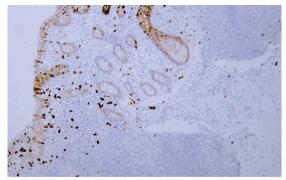


	of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2+, also binds Zn2+ and Mg2+. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.





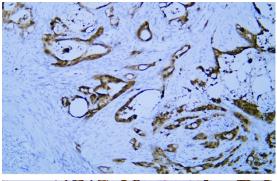
## **Products Images**



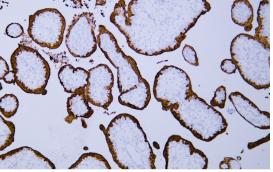
Human appendix tissue was stained with Anti-S100P (ABT229) Antibody



Human kidney tissue was stained with Anti-S100P (ABT229) Antibody



Human pancreatic cancer tissue was stained with Anti-S100P (ABT229) Antibody



Human placenta tissue was stained with Anti-S100P (ABT229) Antibody

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