

S100P (ABT375) mouse mAb

Catalog No :	YM6980
Reactivity :	Human;
Applications :	IHC;IF;ELISA
Target :	S100P
Gene Name :	S100P S100E
Protein Name :	MIG9;Migration inducing gene 9;Protein S100-E;Protein S100-P;Protein S100P;S100 calcium binding protein P;S100 calcium-binding protein P;S100 P;S100E;S100P;S100P_HUMAN
Human Swiss Prot No :	P25815
Immunogen :	Synthesized peptide derived from human S100P AA range: 1-95
Specificity :	The antibody can specifically recognize human S100P protein.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/IgG1, kappa
Dilution :	IHC 1:200-400. IF 1:50-200. ELISA 1:500-5000
Purification :	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	10kD
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 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. [provided by RefSeq, Jul 2008],

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.,

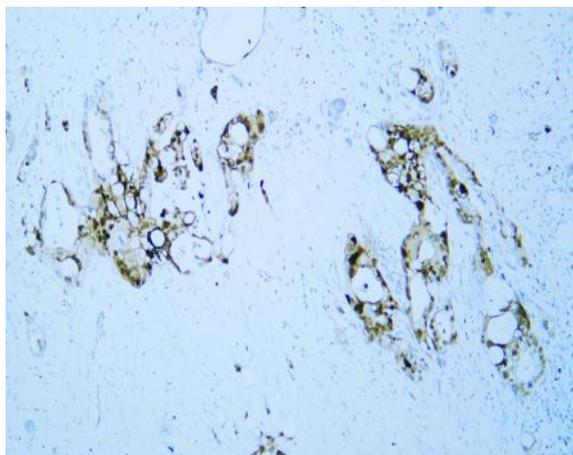
Subcellular Location :

Nuclear, Cytoplasmic

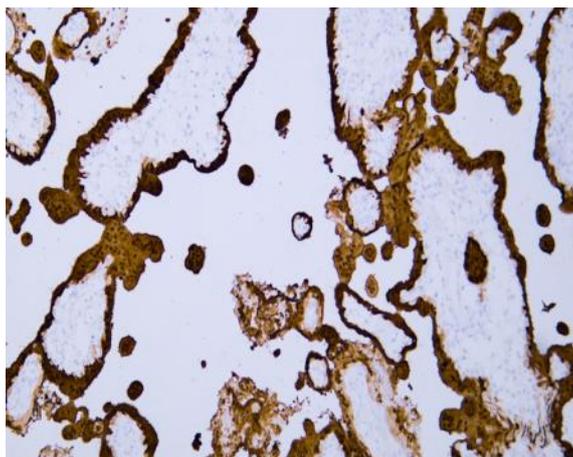
Expression :

Placenta/ Appendix

Products Images



Human pancreatic cancer tissue was stained with Anti-S100P (ABT375) Antibody



Human placenta tissue was stained with Anti-S100P (ABT375) Antibody