



S-100P Monoclonal Antibody

Catalog No	YP-mAb-03183
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	S100P
Immunogen	The antiserum was produced against synthesized peptide derived from human S100P. AA range:26-75
Specificity	S-100P Monoclonal Antibody detects endogenous levels of S-100P protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MIG9;Migration inducing gene 9;Protein S1-E;Protein S1-P;Protein S1P;S1 calcium binding protein P;S1 calcium-binding protein P;S1 P;S1E;S1P;S1P_HUMAN;S100P;Protein S100-P;S100E;Protein S100-E;S100 calcium-binding protein P
Observed Band	10kD
Calculated Molecular Weight	10kD
Cell Pathway	Nucleus. Cytoplasm. Cell projection, microvillus membrane. Colocalizes with S100PBP in the nucleus. Colocalizes 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 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]

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

Western Blot analysis of various cells using S-100P Monoclonal Antibody