

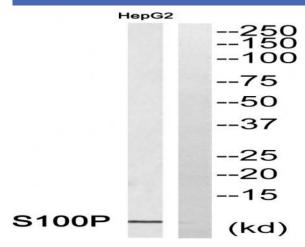
## S-100P Polyclonal Antibody

Catalog No :	YT4203
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	S100P
Gene Name :	S100P
Protein Name :	Protein S100-P
Human Gene Id :	6286
Human Swiss Prot	P25815
No : Immunogen :	The antiserum was produced against synthesized peptide derived from human S100P. AA range:26-75
Specificity :	S-100P Polyclonal Antibody detects endogenous levels of S-100P protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000 IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	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



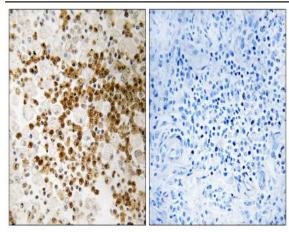
	cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2+, also binds Zn2+ and Mg2+. 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 :	Nucleus. Cytoplasm. Cell projection, microvillus membrane. Colocalizes with S100PBP in the nucleus. Colocolizes with EZR in the microvilli in a calcium- dependent manner.
Expression :	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.

## **Products Images**



Western blot analysis of S100P Antibody. The lane on the right is blocked with the S100P peptide.





Immunohistochemistryt analysis of paraffin-embedded human lung carcinoma, using S100P Antibody. The lane on the right is blocked with the S100P peptide.