

S100P (AB1424) mouse mAb

V0452

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 10 kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1424

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 95 of the human S100P protein.

Specificity The antibody can specifically recognize human S100P protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name S100P

Protein Name S100P

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P25815	6286

Background S100P is a new member of S100 family, named after its initial separation from placenta. It is widely distributed in normal tissues, including heart, brain, liver, lung, bone marrow, placenta, bladder, spleen, gastrointestinal tract, peripheral blood leukocytes, etc. Abnormal expression in tumors plays an important role in tumor growth, proliferation, invasion and metastasis through various signal pathways. S100P was negative in benign pancreatic duct and normal bile duct, but highly expressed in pancreatic ductal adenocarcinoma and cholangiocarcinoma. S100P is also a specific marker for bladder cancer and urothelial carcinoma.