

**Rabbit Anti-S100P [EPR6143]: RM0175, RM0175RTU7**

**Intended Use:** For Research Use Only

**Description:** S100P is a member of the S100 family of proteins. S100P is expressed in various normal tissues including placenta, bladder, spleen, gastric and intestinal mucosa. Overexpression of S100P has been detected in several cancers such as colon, prostate, pancreatic and lung carcinomas. It has been functionally implicated in carcinogenic processes. S100P is an early developmental marker of pancreatic carcinogenesis and can be used as a marker for pancreatic ductal adenocarcinoma. It may also serve as a predictor of distant metastasis and poor survival in non-small cell lung carcinomas.

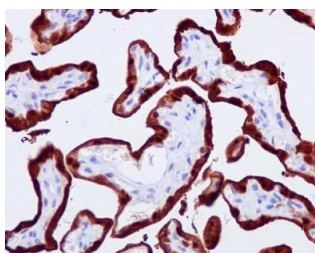
**Specifications**

Clone:	EPR6143
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> )
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
S100P Concentrated	RM0175	1 ml
S100P Prediluted	RM0175RTU7	7 ml

**IHC Procedure**

Positive Control Tissue:	Placenta, pancreatic ductal adenocarcinoma
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.	



FFPE human placenta tissue stained with anti-S100P using DAB

**References:**

1. Dione-thiophene conjugate inhibits proliferation and metastasis of nasopharyngeal carcinoma cells through calcium binding protein-P down-regulation. Zhang X & Zhuang R. Eur J Med Chem 168:199-206, 2019.
2. Interplay between Trx-1 and S100P promotes colorectal cancer cell epithelial-mesenchymal transition by up-regulating S100A4 through AKT activation. Zuo Z, et al. J Cell Mol Med N/A:N/A, 2018.
3. Apigenin inhibits growth and induces apoptosis in human cholangiocarcinoma cells. Subhasitanont P, et al. Oncol Lett 14:4361-4371, 2017.
4. S100P is associated with proliferation and migration in nasopharyngeal carcinoma. Liu Y, et al. Oncol Lett 14:525-532, 2017.

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