

Product Name: S100P (5R5) Rabbit Monoclonal Antibody
Catalog #: AMRe17476

Summary

Production Name	S100P (5R5) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,FC,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type
Buffer	preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	S100P
Alternative Names	Protein S100-E; Protein S100P; S100 calcium binding protein P; S100E;
Gene ID	6286.0
SwissProt ID	P25815.

Application

Dilution Ratio	WB 1:1000-1:5000, IHC-P/IF-P 1:200-1:2000, ICC/IF 1:200-1:500, FCM 1:200-1:1000, IP 1:20
Molecular Weight	10kDa

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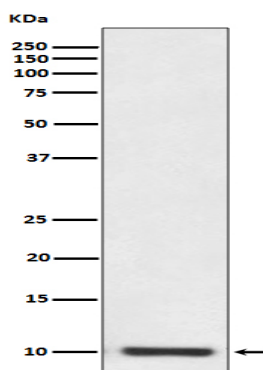


Background

S100 proteins regulate a variety of cellular processes such as cell growth and motility, cell cycle progression, transcription, and differentiation. S100P, a member of the S100 family, is a 95 amino acid protein. Its expression is increased in a number of tumors including pancreas, lung, breast, and ovary carcinomas in response to transcriptional activation. May function as calcium sensor and contribute to cellular calcium signaling. In a calcium-dependent manner, functions by interacting with other proteins, such as EZR and PPP5C, and indirectly plays a role in physiological processes like the formation of microvilli in epithelial cells. May stimulate cell proliferation in an autocrine manner via activation of the receptor for activated glycation end products (RAGE).

Research Area

Image Data



Western blot analysis of S100P expression in SW480 cell lysate.

Note

For research use only.