



Rabbit Anti-Human S100P Monoclonal Antibody, clone CQ7129 (CABT-Z193R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide according to the C-terminus of S100P was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7129
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	10 kDa
Cellular Localization	Cytoplasm/Nucleus
Positive Control	Placenta
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	S100P is a 95-amino-acid protein and a member of the S100 family. S100P has been shown to mediate tumor growth, metastasis and invasion through the binding of Ca ²⁺ ions, receptor for advanced glycation end products, cytoskeletal protein ezrin, calyculin-binding protein/Siah-1-interacting protein and cathepsin D. S100P highly expressed in human placenta, gastrointestinal tract, and esophageal mucosa, but always negative in pancreas and liver. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes. S100P could potentially serve as diagnostic marker, prognostic/predictive indicator and therapy target for different carcinomas.
Keywords	MIG9; Migration inducing gene 9; Protein S100-E; Protein S100-P; Protein S100P; S100 calcium binding protein P; S100 calcium-binding protein P; S100 P; S100E; S100P; S100P

GENE INFORMATION

Gene Name	S100P
Entrez Gene ID	6286
UniProt ID	P25815