



# 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

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

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

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## BACKGROUND

<b>Introduction</b>	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 <sup>2+</sup> ions, receptor for advanced glycation end products, cytoskeletal protein ezrin, calcyclin-binding protein/Siah-1-interacting protein and cathepsin D. S100P is 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.
<b>Keywords</b>	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

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## GENE INFORMATION

<b>Gene Name</b>	S100P
<b>Entrez Gene ID</b>	<a href="#">6286</a>
<b>UniProt ID</b>	<a href="#">P25815</a>

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