

Product Datasheet

S100P Antibody (orb1823466)

Catalog Number	orb1823466
Category	Antibodies
Description	<p>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 Ca²⁺ 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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2b, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein A/G affinity
Immunogen	A recombinant partial protein sequence (within amino acids 1-95) from the human protein was used as the immunogen for the S100P antibody.
UniProt ID	P25815

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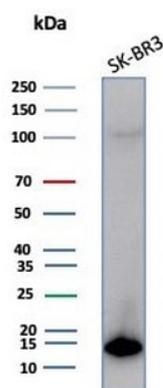
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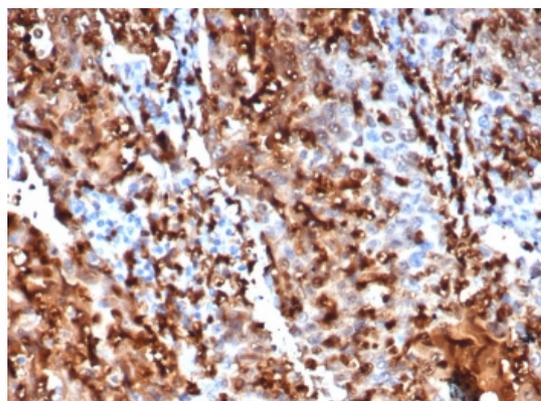
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Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the S100P antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	S100P/7373
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human SK-BR-3 cell lysate with S100P antibody (clone S100P/7373). Predicted molecular weight ~10 kDa.



IHC staining of FFPE human lung cancer with S100P antibody (clone S100P/7373). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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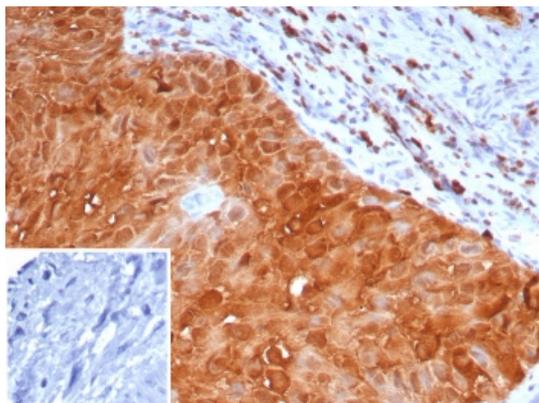
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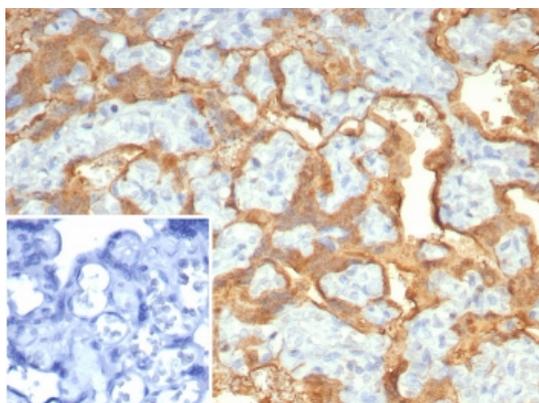
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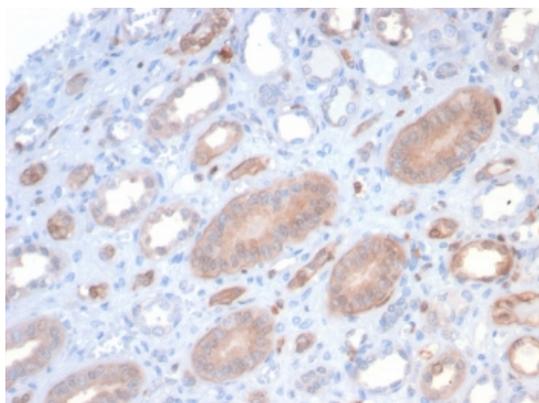
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IHC staining of FFPE human placental tissue with S100P antibody (clone S100P/7373). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placenta with S100P antibody (clone S100P/7373). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney with S100P antibody (clone S100P/7373). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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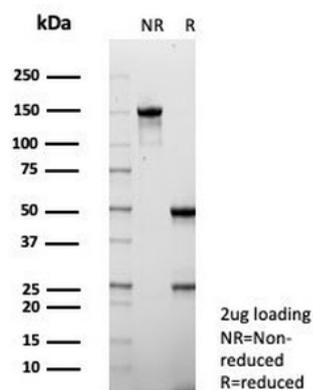
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SDS-PAGE analysis of purified, BSA-free S100P antibody (clone S100P/7373) as confirmation of integrity and purity.

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