Product Datasheet

S100P Antibody / MIG9 (orb1823465)

Description	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, calcyclin-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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P, WB
Immunogen	A recombinant partial protein sequence (within amino acids 1-95) from the human protein was used as the immunogen for the S100P antibody.
Storage	Aliquot the S100P antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
Note	For research use only
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Isotype	Mouse IgG2b, kappa
Clonality	Monoclonal
Clone Number	S100P/7373
Antibody Type	Primary Antibody

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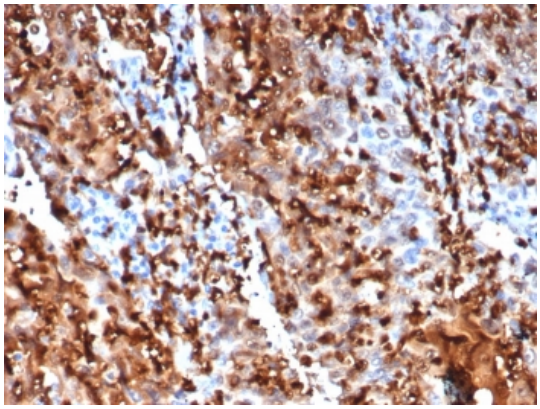
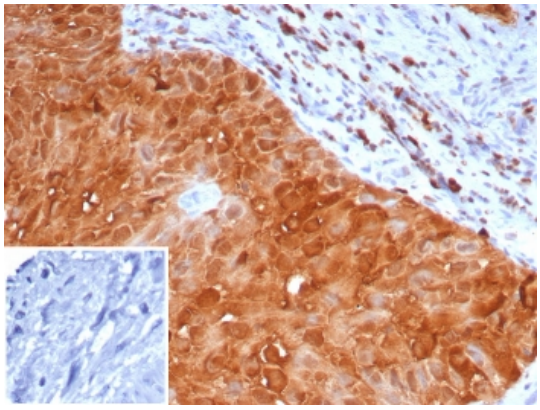
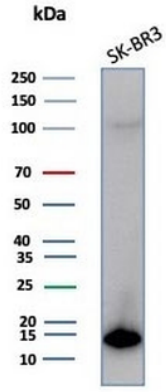
Uniprot ID	**P25815**
Hazard Information	This S100P antibody is available for research use only.
Dilution Range	Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



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.



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.



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

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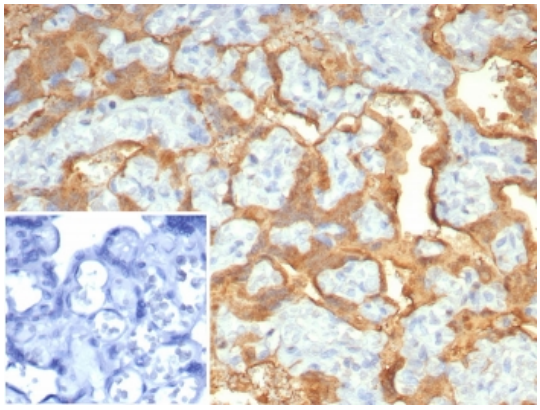
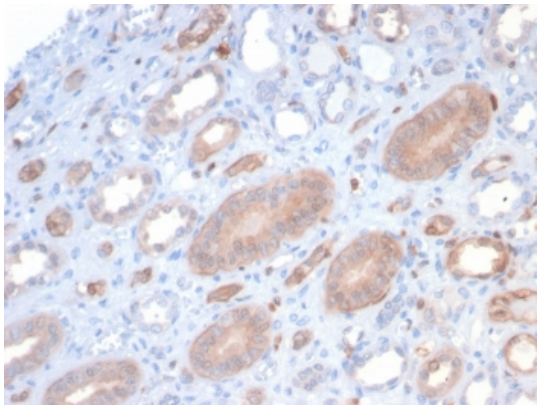
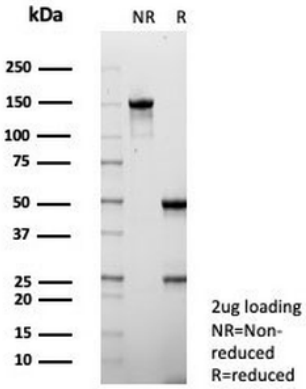


IHC staining of FFPE human placenta with S100P antibody (clone S100P/7373). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



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.



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

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