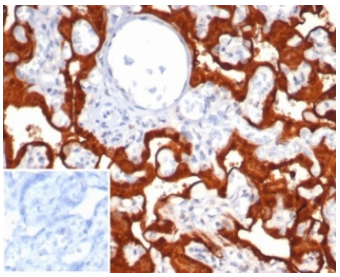
Migration inducing gene 9 Antibody / S100P [clone S100P/7375] (V5045)

Catalog No.	Formulation	Size
V5045-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5045-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5045SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	S100P/7375
Purity	Protein A/G affinity
UniProt	P25815
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Migration inducing gene 9 antibody is available for research use only.



IHC staining of FFPE human placental tissue with Migration inducing gene 9 antibody (clone S100P/7375). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the Migration inducing gene 9 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-95) from the human protein was used as the immunogen for the Migration inducing gene 9 antibody.

Storage

Aliquot the Migration inducing gene 9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.