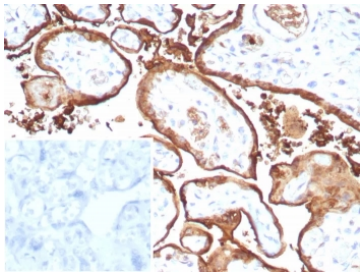
MIG9 Antibody Recombinant Rabbit MAb S100P/9135R / Migration inducing gene 9 / S100P [clone S100P/9135R] (V5524)

Catalog No.	Formulation	Size
V5524-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5524-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5524SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

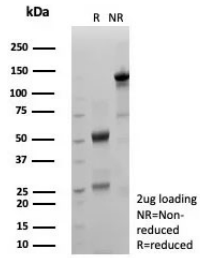
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	S100P/9135R
Purity	Protein A/G affinity
UniProt	P25815
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This MIG9 antibody is available for research use only.



MIG9 Antibody Recombinant Rabbit MAb S100P/9135R in human placental tissue. Immunohistochemistry staining of FFPE human placenta demonstrates cytoplasmic staining in trophoblastic epithelial cells consistent with expression of migration inducing gene 9 / S100 calcium binding protein P (S100P). Brown chromogenic signal highlights S100P-positive trophoblast layers within placental villi while surrounding stromal elements show comparatively weaker staining. The inset shows PBS used in place of primary antibody as a secondary-only negative control. Heat-induced epitope retrieval was performed by boiling tissue sections in pH 9 Tris buffer with 1 mM EDTA for 20 min before staining.



SDS-PAGE analysis of purified, BSA-free MIG9 Antibody Recombinant Rabbit MAb S100P/9135R as confirmation of integrity and purity.

Description

S100 calcium binding protein P (S100P), also known as migration inducing gene 9 (MIG9), is a member of the S100 family of EF-hand calcium-binding proteins encoded by the S100P gene. MIG9 Antibody Recombinant Rabbit MAb S100P/9135R enables detection of this calcium-binding protein in human cells and tissues for research investigating epithelial cell signaling and tumor-associated pathways. S100P participates in calcium-dependent signaling mechanisms that regulate cellular proliferation, cytoskeletal dynamics, migration, and survival.

S100P is predominantly expressed in epithelial cell populations and has been studied extensively in glandular tissues and epithelial-derived tumors. The protein functions as a signaling mediator capable of interacting with intracellular binding partners and extracellular receptors such as receptor for advanced glycation end products (RAGE). Through these interactions, migration inducing gene 9 can activate signaling pathways associated with cellular motility, inflammatory responses, and tumor progression.

Elevated S100P expression has been reported in multiple epithelial malignancies including pancreatic, breast, prostate, lung, and colorectal cancers. Increased levels of migration inducing gene 9 have been associated with tumor cell invasion and metastatic behavior in several experimental models. These observations have led to significant interest in S100P as a molecular component of epithelial tumor biology and calcium-regulated signaling networks.

Recombinant rabbit monoclonal antibodies such as clone S100P/9135R provide consistent and reproducible target recognition due to defined antibody sequences produced through recombinant antibody engineering. A recombinant rabbit monoclonal S100P antibody can provide strong target recognition and reliable detection across experimental studies, supporting reproducibility in protein expression research.

MIG9 Antibody Recombinant Rabbit MAb S100P/9135R recognizes S100 calcium binding protein P and supports detection of migration inducing gene 9 in research applications focused on epithelial biology, tumor-associated signaling pathways, and calcium-regulated cellular processes. Detection of S100P expression helps investigators examine epithelial cell function and explore the biological role of this calcium-binding protein in normal tissues and cancer models.

Application Notes

Optimal dilution of the MIG9 Antibody Recombinant Rabbit MAb S100P/9135R should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 1-95) of human MIG9 protein was used as the immunogen for the recombinant MIG9 antibody.

Storage

Aliquot the recombinant MIG9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Migration inducing gene 9 antibody, S100 calcium binding protein P antibody, S100P protein antibody, S100P antigen

antibody