

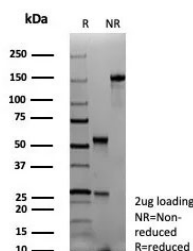
Recombinant PAX6 Antibody / Paired box gene 6 [clone rPAX6/9324] (V5526)

Catalog No.	Formulation	Size
V5526-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5526-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5526SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rPAX6/9324
Purity	Protein A/G affinity
UniProt	P26367
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant PAX6 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant PAX6 antibody (clone rPAX6/9324) as confirmation of integrity and purity.

Description

Pax genes contain paired domains with strong homology to genes in *Drosophila*, which are involved in programming early development. Lesions in the Pax-6 gene account for most cases of aniridia, a congenital malformation of the eye, chiefly characterized by iris hypoplasia, which can cause blindness. Pax-6 is involved in other anterior segment malformations

besides aniridia, such as Peters anomaly, a major error in the embryonic development of the eye with corneal clouding with variable iridolenticulocorneal adhesions. The Pax-6 gene encodes a transcriptional regulator that recognizes target genes through its paired-type DNA-binding domain. The paired domain is composed of two distinct DNA-binding subdomains, the amino-terminal subdomain and the carboxy-terminal subdomain, which bind respective consensus DNA sequences. The human Pax-6 gene produces two alternatively spliced isoforms that have the distinct structure of the paired domain.

Application Notes

Optimal dilution of the recombinant PAX6 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (amino acids 1-300) of human PAX6 protein was used as the immunogen for the recombinant PAX6 antibody.

Storage

Aliquot the recombinant PAX6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.