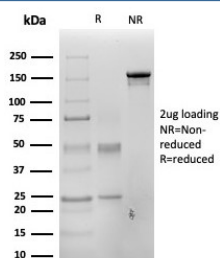


PAX3 Antibody / Paired box 3 [clone PAX3/4700] (V4956)

Catalog No.	Formulation	Size
V4956-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4956-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4956SAF-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	PAX3/4700
Purity	Protein A/G affinity
UniProt	P23760
Localization	Nucleus
Applications	ELISA (Order BSA-free Format For Coating) :
Limitations	This PAX3 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free PAX3 antibody (clone PAX3/4700) as confirmation of integrity and purity.

Description

Pax genes contain paired domains that share strong homology to genes in *Drosophila* which are involved in programming early development. The product of the PAX3 gene is a DNA-binding protein expressed during early neurogenesis. Pax-3 is a protein containing both a paired domain and a paired-type homeodomain. During early neurogenesis, Pax-3 expression is limited to mitotic cells in the ventricular zone of the developing spinal cord and to distinct regions in the

hindbrain, midbrain and diencephalon. In 10-12 day embryos, expression of Pax-3 is also seen in neural crest cells of the developing spinal ganglia, the craniofacial mesectoderm and in limb mesenchyme. Mutations in the MITF and Pax-3 genes, encoding transcription factors, are responsible for Waardenburg syndrome II (WSII) and WSI/WSIII, respectively.

Application Notes

Optimal dilution of the PAX3 antibody should be determined by the researcher.

Immunogen

A synthetic peptide from the C-terminus region of the quail protein was used as the immunogen for the PAX3 antibody.

Storage

Aliquot the PAX3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.