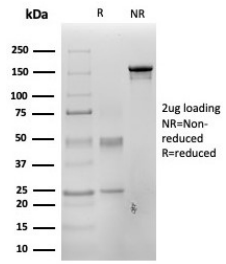
PAX3 Antibody / Paired box 3 [clone PAX3/4700] (V4956)

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.