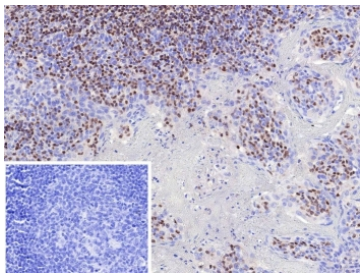
Paired box 3 Antibody / PAX3 [clone PAX3/8424] (V5772)

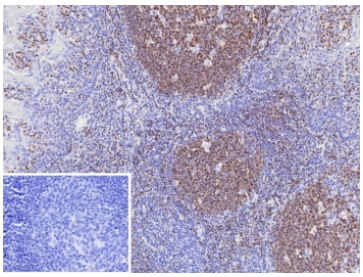
Catalog No.	Formulation	Size
V5772-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5772-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5772SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PAX3/8424
Purity	Protein G affinity
UniProt	P23760
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Paired box 3 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Paired box 3 antibody (clone PAX3/8424). 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.



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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 Paired box 3 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 150-350 from human PAX3 protein was used as the immunogen for the Paired box 3 antibody.

Storage

Aliquot the Paired box 3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.