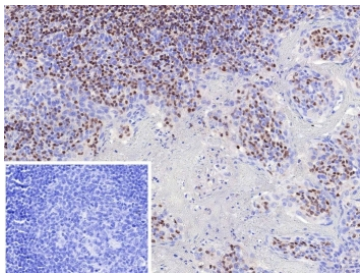
Paired box 3 Antibody / PAX3 [clone PAX3/8424] (V5772)

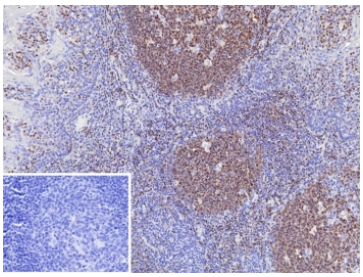
Catalog No.	Formulation	Size
V5772-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5772-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5772SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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.



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.

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.

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