PAX3 Antibody

Mouse Monoclonal Antibody [Clone PAX3/8426]

Catalog No	Format	Size
5077-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5077-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5077-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

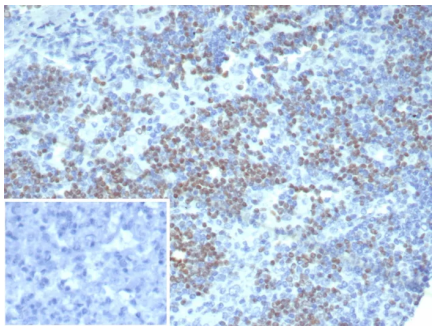
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

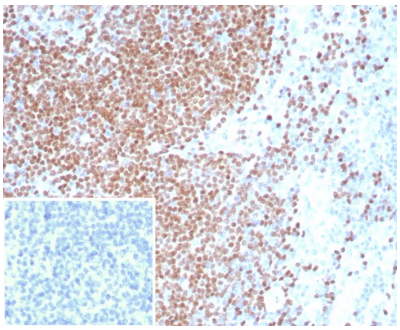
Clone	PAX3/8426
Gene Name	PAX3
Immunogen	Recombinant fragment (around aa150-350) of human PAX3 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	56kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Human skin and skeletal muscle tissue.

**Optimal dilution for a specific application should be determined.*

Product Images for PAX3 Antibody



Formalin-fixed, paraffin-embedded human lymph node stained with PAX3 Mouse Monoclonal Antibody (PAX3/8426). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human tonsil stained with PAX3 Mouse Monoclonal Antibody (PAX3/8426). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Mesenchymal Stem Cell Differentiation, Nuclear Marker

Limitations and Warranty