

**PAX3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2944a**

**Specification**

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**PAX3 Antibody (N-term) - Product Information**

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">P23760</a>
Other Accession	<a href="#">P47239</a> , <a href="#">P23759</a> , <a href="#">P24610</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52968
Antigen Region	98-126

**PAX3 Antibody (N-term) - Additional Information**

**Gene ID** 5077

**Other Names**

Paired box protein Pax-3, HuP2, PAX3, HUP2

**Target/Specificity**

This PAX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-126 amino acids from the N-terminal region of human PAX3.

**Dilution**

WB~~1:1000

FC~~1:10~50

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PAX3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PAX3 Antibody (N-term) - Protein Information**

**Name** PAX3

**Synonyms** HUP2

**Function** Transcription factor that may regulate cell proliferation, migration and apoptosis. Involved in neural development and myogenesis. Transcriptional activator of MITF, acting synergistically with SOX10 (PubMed:[21965087](#)).

**Cellular Location**

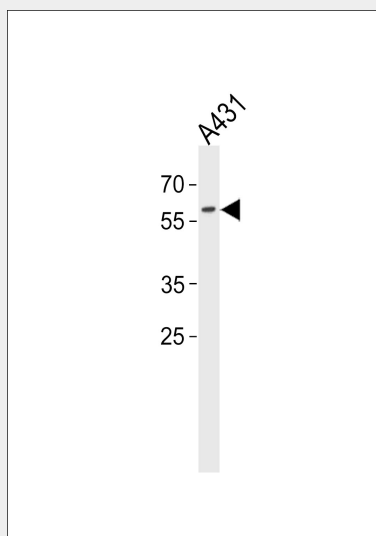
Nucleus.

### PAX3 Antibody (N-term) - Protocols

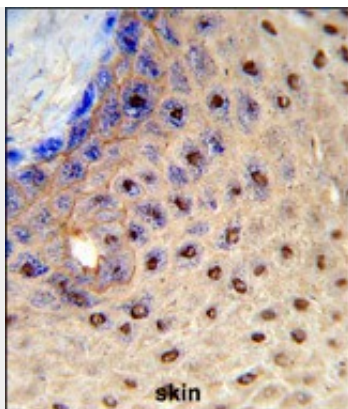
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

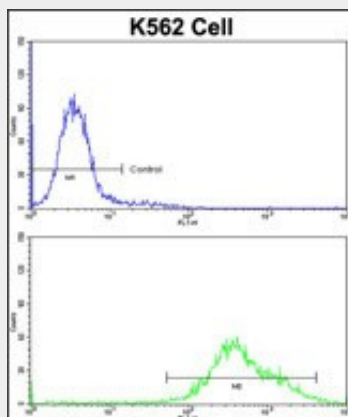
### PAX3 Antibody (N-term) - Images



PAX3 Antibody (N-term) (Cat. #AP2944a) western blot analysis in A431 cell line lysates (35ug/lane). This demonstrates the PAX3 antibody detected the PAX3 protein (arrow).



Formalin-fixed and paraffin-embedded human skin reacted with PAX3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of K562 cells using PAX3 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **PAX3 Antibody (N-term) - Background**

PAX3 probable is a transcription factor associated with development of alveolar rhabdomyosarcoma.

#### **PAX3 Antibody (N-term) - References**

Boutet,S.C., et.al., Cell 130 (2), 349-362 (2007)