

# PAX3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2944a

## Product Information

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

## Additional Information

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<b>Gene ID</b>	5077
<b>Other Names</b>	Paired box protein Pax-3, HuP2, PAX3, HUP2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PAX3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PAX3
<b>Synonyms</b>	HUP2
<b>Function</b>	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.

## Background

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

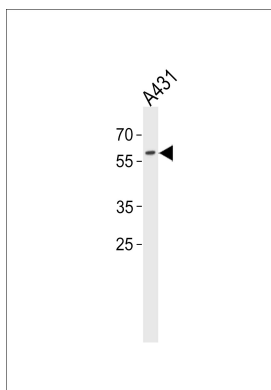
## References

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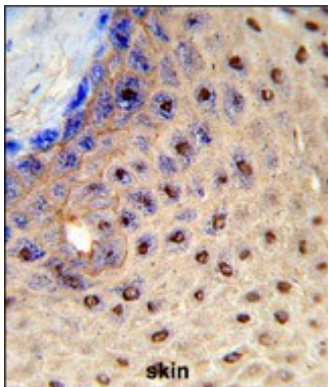
Boutet,S.C., et.al., Cell 130 (2), 349-362 (2007)

## Images

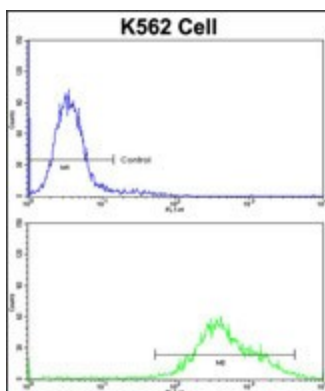
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PAX3 Antibody (N-term) (Cat. #AP2944a) western blot analysis in A431 cell line lysates (35ug/lane). This demonstrates the PAX3 antibody detected the PAX3 protein (arrow).



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.