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PAX3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2944a

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P23760
Other Accession	P47239, P23759, P24610
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52968
Antigen Region	98-126

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	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 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.

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.

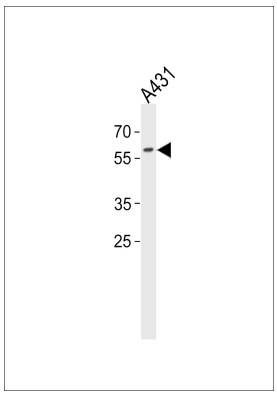
Background

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

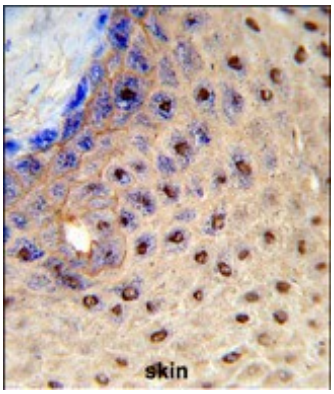
References

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

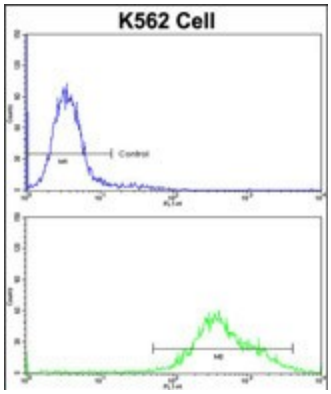
Images



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.

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