

ARG55440 anti-PAX3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PAX3
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAX3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 98-126 (N-terminus) of Human PAX3.
Conjugation	Un-conjugated
Alternate Names	Paired box protein Pax-3; HUP2; WS1; WS3; HuP2; CDHS

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	

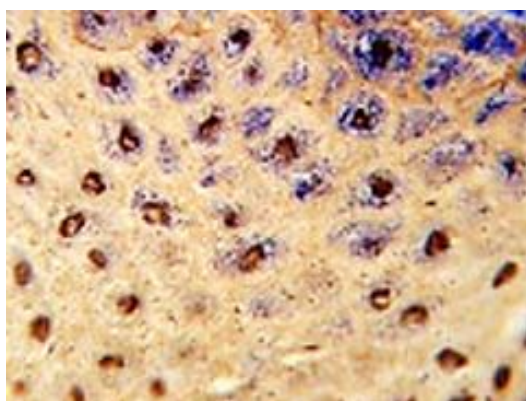
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

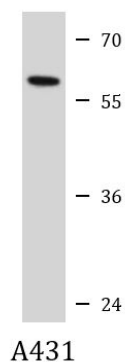
Database links	GeneID: 5077 Human Swiss-port # P23760 Human
Gene Symbol	PAX3
Gene Full Name	paired box 3
Background	This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini. [provided by RefSeq, Jul 2008]
Function	Transcription factor that may regulate cell proliferation, migration and apoptosis. Involved in neural development and myogenesis. [UniProt]
Research Area	Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody
Calculated Mw	53 kDa
Cellular Localization	Nucleus.

Images



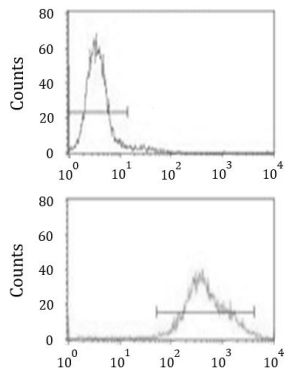
ARG55440 anti-PAX3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skin stained with ARG55440 anti-PAX3 antibody.



ARG55440 anti-PAX3 antibody WB image

Western blot: 35 µg of A431 cell lysate stained with ARG55440 anti-PAX3 antibody.



ARG55440 anti-PAX3 antibody FACS image

Flow Cytometry: K562 cells stained with ARG55440 anti-PAX3 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.