Datasheet for ABIN2777556

anti-Paired Box 3 antibody (C-Term)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Paired Box 3 (PAX3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Paired Box 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PAX3
Sequence:	GGVPHQPQTD YALSPLTGGL EPTTTVSASC SQRLDHMKSL DSLPTSQSYC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against PAX3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Paired Box 3 (PAX3)

Target Details

Alternative Name:	PAX3 (PAX3 Products)
Background:	PAX3 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.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. Alias Symbols: WS1, WS3, CDHS, HUP2 Protein Interaction Partner: PCTP, UBC, TAF1, POU3F2, HDAC1, TRIM28, HDAC10, SOX8, WWTR1, PAX3, DAXX, CIB1, SOX10, MEOX2, MEOX1, MITF, MSX1, Rad23b, PSMD4, TBP, IPO13, CNR1, Protein Size: 479
Molecular Weight:	53 kDa
Gene ID:	5077
NCBI Accession:	NM_181457, NP_852122
UniProt:	P23760
Pathways:	Sensory Perception of Sound, Tube Formation

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 479 AA
Restrictions:	For Research Use only

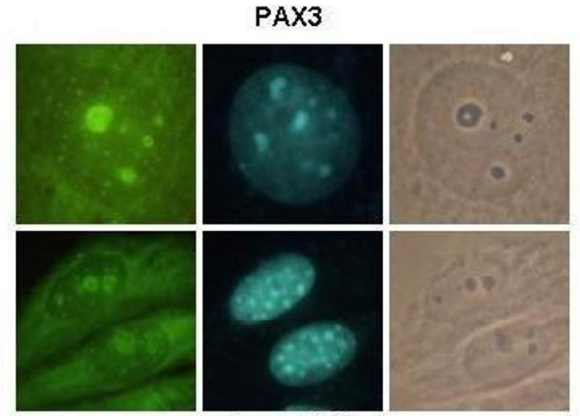
Handling

Format:	Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

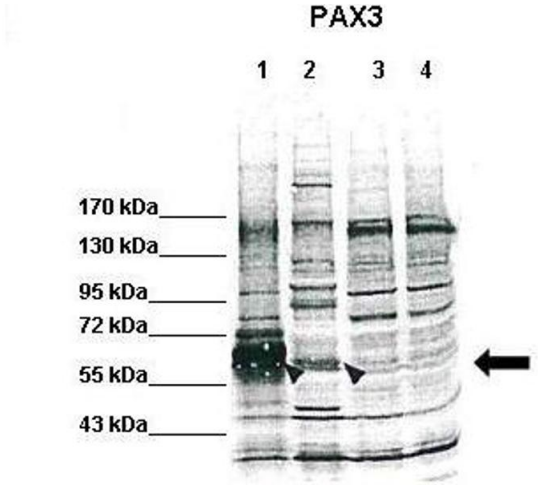
Images



See IHC 1 Data and Customer Feedback for more Information

Immunohistochemistry

Image 1. Sample Type : Mouse B16F10 Primary Antibody Dilution : 1:200 Secondary Antibody : Goat anti-rabbit-FITC Secondary Antibody Dilution : 1:800 Color/Signal Descriptions : Green: FITC Blue: DAPI Gene Name : PAX3 Submitted by : Tsu Fang Wu, Institute of Molecular Biology, National Chung Hsing University



Western Blotting

Image 2. WB Suggested Anti-PAX3 Antibody Positive Control: Lane 1: Flag-PAX3(overexpression, human), HEK293, 50?g. Lane 2: Mouse, B16F10, 50?g. Lane 3: Human, A375, 50?g. Lane 4: Human, A2058, 50?g Primary Antibody Dilution : 1:5000 Secondary Antibody : Goat anti-rabbit AP Secondry Antibody Dilution : 1:5000 Submitted by: Tsu Fang Wu, Institute of Molecular Biology, National Chung Hsing University

Images

Western Blotting

Image 3. WB Suggested Anti-PAX3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Lung