

Rabbit PAX3 Polyclonal Antibody | anti-PAX3 antibody

PAX3 antibody - C-terminal region

CATALOG # AAA197448	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish (Tested Reactivity: Human, Mouse)	APPLICATIONS Western Blot, Immunohistochemistry
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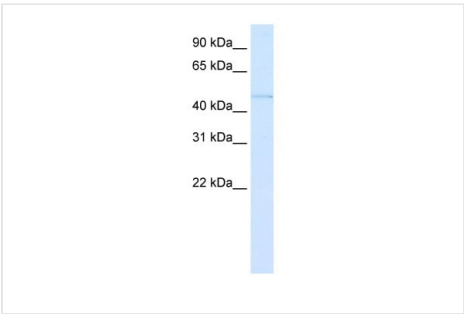
PRODUCT SYNONYMS

PAX3; Polyclonal Antibody; PAX3 antibody - C-terminal region; anti-PAX3 antibody

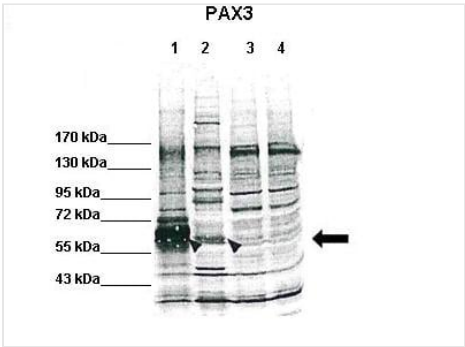
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish (Tested Reactivity: Human, Mouse)
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5-1 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: GG VPHQPQTDYA LSPLTGGLEP TTTVSASCSQ RLDHMKSLDS LPTSQSYC
Sequence Length	479
Applicable Applications for anti-PAX3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human PAX3.
Protein Size	479 amino acids
Protein Interactions	PCTP; UBC; TAF1; POU3F2; HDAC1; TRIM28; HDAC10; SOX8; WWTR1; PAX3; DAXX; CIB1; SOX10; MEOX2; MEOX1; MITF; MSX1; Rad23b; PSMD4; TBP; IPO13; CNR1;
Replacement Item	This antibody may replace item sc-25409 from Santa Cruz Biotechnology.
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

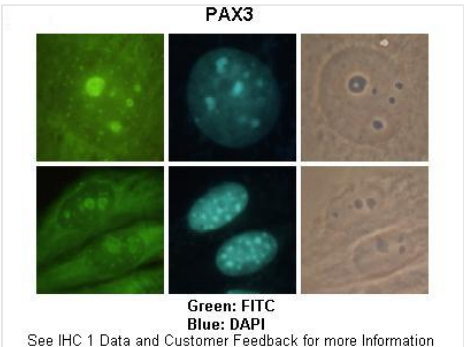
IMAGES



WB (Western Blot)
WB Suggested Anti-PAX3 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:1562500
Positive Control: Human Lung



WB (Western Blot)
WB Suggested Anti-PAX3 Antibody
Positive Control: Lane 1: DYKDDDDK-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
Secondary Antibody Dilution : 1:5000
Submitted by: Tsu Fang Wu, Institute of Molecular Biology, National Chung Hsing University



IHC (Immunohistochemistry)
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

ADDITIONAL INFORMATION

Related Product Information for anti-PAX3 antibody	This is a rabbit polyclonal antibody against PAX3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-PAX3 antibody	Polyclonal; Transcription Factor; Neurobiology; Transcription Regulation; Transcription Regulation; Developmental Biology; Disease Related; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563340
NCBI GeneID	5077

NCBI Accession #	NP_852122
NCBI GenBank Nucleotide #	NM_181457
UniProt Accession #	P23760
Molecular Weight	53kDa
NCBI Official Full Name	paired box protein Pax-3 isoform PAX3
NCBI Official Synonym Full Names	paired box 3
NCBI Official Symbol	PAX3
NCBI Official Synonym Symbols	WS1; WS3; CDHS; HUP2
NCBI Protein Information	paired box protein Pax-3
UniProt Protein Name	Paired box protein Pax-3
UniProt Gene Name	PAX3
UniProt Synonym Gene Names	HUP2
UniProt Entry Name	PAX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pax3-antibody-western-blot-immunohistochemistry-elisa/197448>