

Rabbit anti-Human, Mouse PAX7 Polyclonal Antibody | anti-PAX7 antibody

Rabbit Polyclonal to Human PAX7

CATALOG # AAA52416	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PAX7; Polyclonal Antibody; Rabbit Polyclonal to Human PAX7; Anti-PAX7 Antibody (aa410-437) IHC-plus; HUP1; Paired box 7; Paired box gene 7; Paired box homeotic gene 7; Paired box protein Pax-7; RMS2; Paired domain gene 7; PAX7 transcriptional factor; PAX7B; Human PAX7; anti-PAX7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	Human PAX7
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.09% sodium azide
Sequence Length	520
Applicable Applications for anti-PAX7 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	KLH-conjugated synthetic peptide from C-terminal region of human PAX7.
Immunogen Type	Synthetic peptide
Immunogen	PAX7 antibody was raised against KLH-conjugated synthetic peptide from C-terminal region of human PAX7.
Epitope	aa410-437
Specificity Note	This PAX7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-437 amino acids from the C-terminal region of human PAX7.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol

The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:

Tissue Preparation:

Formalin fixation and embedding in paraffin wax.

Tissue Sectioning:

Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C.

Deparaffinization:

Wash dry slides in 3 changes of xylene - 5 minutes each @ RT

Rehydration:

Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT

Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT

Wash slides in 1 change of 80% alcohol - 3 minutes @ RT

Rinse slides in gentle running distilled water - 5 minutes @ RT

Antigen retrieval:

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) -1 minute @ RT

Immunostaining:

(Do not allow tissues to dry at any time during the staining procedure)

Apply a universal protein block - 20 minutes @ RT

Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT

Rinse slides in 1 X TBST - 1 minute @ RT

Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT

Rinse slides in 1X TBST -1 minute @ RT

Apply alkaline phosphatase streptavidin - 30 minutes @ RT

Rinse slides in 1X TBST -1 minute @ RT

Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT

Wash slides in distilled water - 1 minute @ RT

Dehydrate:

(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB))

Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT

Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT

Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT

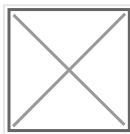
Wash slides in 3 changes of xylene - 1 minute each @ RT

Apply coverslip

Preparation and Storage

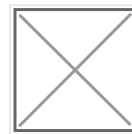
Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

IMAGES



WB (Western Blot)

PAX7 Antibody (C-term) Western blot of mouse spleen tissue lysates (35 ug/lane). This demonstrates the PAX7 antibody detected the PAX7 protein (arrow).



IHC (Immunohistochemistry)

Anti-PAX7 antibody IHC staining of human skin, epidermis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-PAX7 antibody

This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box gene 7 is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505619
NCBI GeneID	5081
NCBI Accession #	NP_002575.1
NCBI GenBank Nucleotide #	NM_002584.2
UniProt Accession #	P23759; Q0VA99; Q2PJS5; E9PFV9
NCBI Official Full Name	paired box protein Pax-7 isoform 1
NCBI Official Synonym Full Names	paired box 7
NCBI Official Symbol	PAX7
NCBI Official Synonym Symbols	HUP1; RMS2; PAX7B
NCBI Protein Information	paired box protein Pax-7; paired domain gene 7; paired box homeotic gene 7; PAX7 transcriptional factor
UniProt Protein Name	Paired box protein Pax-7
UniProt Gene Name	PAX7
UniProt Synonym Gene Names	HUP1
UniProt Entry Name	PAX7_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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