

Rabbit PAX7 Polyclonal Antibody | anti-PAX7 antibody

PAX7 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284542	Rabbit	Reactivity: Human (Predicted: Mouse)	ELISA, Immunohistochemistry, Western Blot

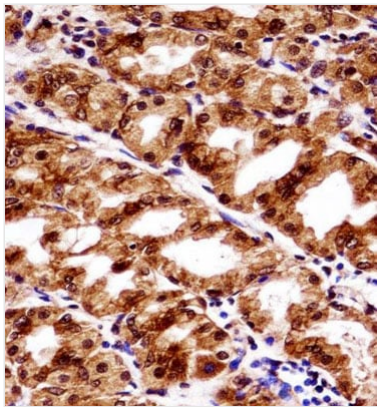
PRODUCT SYNONYMS

PAX7; Polyclonal Antibody; PAX7 Antibody (Center); Paired box protein Pax-7; HuP1; HUP1; anti-PAX7 antibody

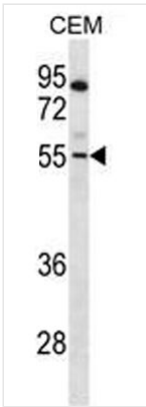
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human (Predicted: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PAX7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-210 amino acids from the Central region of human PAX7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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
Sequence Positions	181-210
Applicable Applications for anti-PAX7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Function	Transcription factor that is involved in the regulation of muscle stem cells proliferation, playing a role in myogenesis and muscle regeneration.
Cellular Location	Nucleus {ECO:0000250 UniProtKB:P47239}.
Preparation and 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.

IMAGES



IHC (Immunohiostchemistry)
PAX7 Antibody (Center) (AAA284542)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PAX7 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PAX7 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PAX7 antibody detected the PAX7 protein (arrow).

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-typehomeo domain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 7 gene is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolarrhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PAX7 antibody	Developmental Biology; Signal Transduction
References	Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Williamson, D., et al. J. Clin. Oncol. 28(13):2151-2158(2010) Xynos, A., et al. Stem Cells 28(5):965-973(2010) Edwards, T.L., et al. Ann. Hum. Genet. 74(2):97-109(2010) Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	207029223
NCBI GeneID	5081
NCBI Accession #	NP_001128726.1; NP_002575.1; NP_039236.1
NCBI GenBank Nucleotide #	NM_001135254.1
UniProt Accession #	P23759; Q0VA99; Q2PJS5; E9PFV9
Molecular Weight	55119
NCBI Official Full Name	paired box protein Pax-7 isoform 3
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/pax7-antibody-immunohistochemistry-western-blot-elisa/284542>