PAX7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PAX7, Monoclonal Antibody
Full Product Name	PAX7 (Paired Box 7, HUP1, PAX7B) (MaxLight 490)
Product Gene Name	anti-PAX7 antibody
Product Synonym Names	Paired Box 7; HUP1; PAX7B
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4F5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes PAX7.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	55119 MW
OMIM	X96743 mRNA
3D Structure	ModBase 3D Structure for P23759
Immunogen	PAX7 (NP_001128726.1, 351aa-434aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AYGARHSFSSYSDSFMNPAAPSNHMNPVSNGLSPQVMSILGNPSAVPPQPQADFSISPLHGGLDSATSISASCSQRADSIKPGD
Conjugate	MaxLight490
Product Categories/Family for anti-PAX7 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-PAX7 antibody	FLISA, Western Blot (WB)
Application Notes for anti-PAX7 antibody	Applications are based on unconjugated antibody.
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 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 alveolar rhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Notes	Small volumes of anti-PAX7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PAX7 purchase	MBS6207777 is an antibody targeting PAX7. Also known as PAX7 (Paired Box 7, HUP1, PAX7B) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAX7. It may not necessarily be applicable to this product.

NCBI GI #	207029223
NCBI GeneID	5081
NCBI Accession #	NP_001128726.1
UniProt Primary Accession #	P23759
UniProt Secondary Accession #	Q0VA99; Q2PJS5; E9PFV9
UniProt Related Accession #	P23759
GenBank Nucleotide #	NM_001135254.1
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
UniProt Protein Name	Paired box protein Pax-7
UniProt Synonym Protein Names	HuP1
Protein Family	Paired box protein
UniProt Gene Name	PAX7
UniProt Synonym Gene Names	HUP1
NCBI Protein Information	paired box protein Pax-7
UniProt Comments for PAX7	Transcription factor playing a role in myogenesis through regulation of muscle precursor cells proliferation.
Research Articles on PAX7	**1.** miR-206 acts as a tumor suppressor in fusion-negative RMS at least partially through downregulation of PAX7.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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