

For Research Use Only

# PAX7 Monoclonal antibody

Catalog Number: 60236-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60236-1-Ig	<b>GenBank Accession Number:</b> BC121165	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5081	<b>CloneNo.:</b> 2D3D1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P23759	
<b>Isotype:</b> IgG1	<b>Full Name:</b> paired box 7	
<b>Immunogen Catalog Number:</b> AG19171	<b>Calculated MW:</b> 520 aa, 57 kDa	

## Applications

**Tested Applications:**  
IF, IHC, ELISA

**Cited Applications:**  
IF

**Species Specificity:**  
human

**Cited Species:**  
mouse

## Background Information

PAX7 belongs to the paired box protein family of transcription factors. It is an important regulator of neural and skeletal muscle development. Recent research indicates an essential function of Pax7 for renewal and maintenance of muscle stem cells. A chromosomal aberration involving PAX7 is a cause of rhabdomyosarcoma 2 (RMS2) which also known as alveolar rhabdomyosarcoma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mark Pines	28082118	Am J Pathol	IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

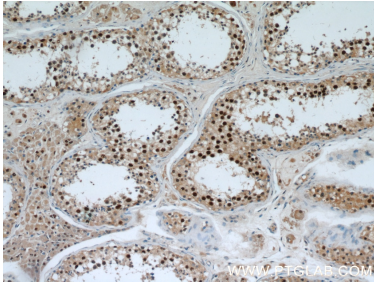
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

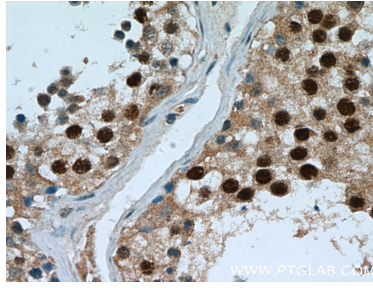
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis using 60236-1-Ig(PAX7 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 60236-1-Ig(PAX7 antibody) at dilution of 1:50 (under 40x lens).