

## PAX7 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant PAX7.

Catalog # AT3191a

### Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">P23759</a>
<b>Other Accession</b>	<a href="#">NM_002584</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1.0E+12
<b>Calculated MW</b>	55119

### Additional Information

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<b>Gene ID</b>	5081
<b>Other Names</b>	Paired box protein Pax-7, HuP1, PAX7, HUP1
<b>Target/Specificity</b>	PAX7 (NP_002575.1, 411 a.a. ~ 520 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	PAX7 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

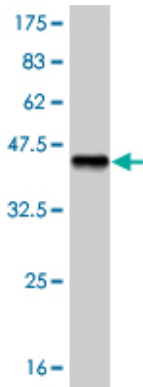
### References

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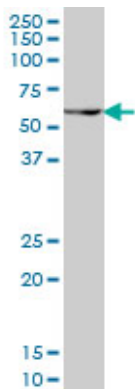
An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M,

et al. Hum Genet, 2010 Oct. PMID 20677014.Fusion gene-negative alveolar rhabdomyosarcoma is clinically and molecularly indistinguishable from embryonal rhabdomyosarcoma. Williamson D, et al. J Clin Oncol, 2010 May 1. PMID 20351326.Genome-wide association study confirms SNPs in SNCA and the MAPT region as common risk factors for Parkinson disease. Edwards TL, et al. Ann Hum Genet, 2010 Mar. PMID 20070850.High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.Maternal transmission effects of the PAX genes among cleft case-parent trios from four populations. Sull JW, et al. Eur J Hum Genet, 2009 Jun. PMID 19142206.

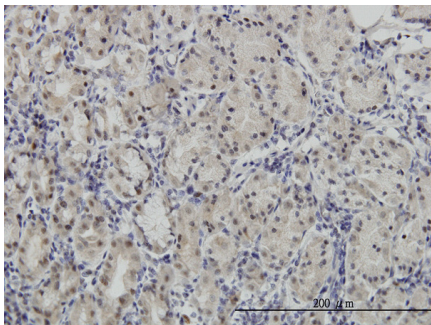
Images



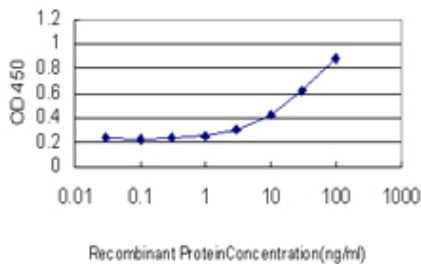
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



PAX7 monoclonal antibody (M05), clone 1E12 Western Blot analysis of PAX7 expression in NIH/3T3 ( (Cat # AT3191a )



Immunoperoxidase of monoclonal antibody to PAX7 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 0.5 ug/ml]



Detection limit for recombinant GST tagged PAX7 is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.