

**PAX7 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10488b****Specification**

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**PAX7 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P23759](#)  
Other Accession [NP\\_001128726.1](#), [NP\\_039236.1](#), [NP\\_002575.1](#)

**PAX7 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 5081

**Other Names**

Paired box protein Pax-7, HuP1, PAX7, HUP1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

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

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PAX7 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** PAX7

**Synonyms** HUP1

**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}.

**PAX7 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PAX7 Antibody (C-term) Blocking Peptide - Images**

### **PAX7 Antibody (C-term) Blocking Peptide - Background**

PAX7 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 homeo 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 alveolar rhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene.

### **PAX7 Antibody (C-term) Blocking Peptide - 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)