

**C6orf81 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17889a****Specification**

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**C6orf81 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q5T9G4](#)**C6orf81 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 221481**Other Names**

Armadillo repeat-containing protein 12, ARMC12, C6orf81

**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.

**C6orf81 Antibody (N-term) Blocking Peptide - Protein Information****Name** ARMC12**Synonyms** C6orf81**Function**

Essential for male fertility and sperm mitochondrial sheath formation (By similarity). Required for proper mitochondrial elongation and coiling along the flagellum during the formation of the mitochondrial sheath (By similarity). Facilitates the growth and aggressiveness of neuroblastoma cells (PubMed: [30026490](http://www.uniprot.org/citations/30026490)). Increases the EZH2 activity and H3K27me3 levels in a RBBP4-dependent manner, and facilitates the enrichment of polycomb repressive complex 2 and H3K27me3 on gene promoters, resulting in transcriptional repression of tumor suppressors affecting the proliferation, invasion, and metastasis of tumor cells (PubMed: [30026490](http://www.uniprot.org/citations/30026490)).

**Cellular Location**

Nucleus. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q80X86}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q80X86}

**Tissue Location**

Testis-specific (PubMed:33536340). Expressed at higher levels in neuroblastoma tissues and cell

lines, than those of normal dorsal ganglia (at protein level) (PubMed:30026490). Expressed in breast cancer, colon cancer, hepatocellular carcinoma, lung cancer, pancreas cancer, prostate cancer, renal cancer and gastric cancer, but not in their normal counterparts (PubMed:30026490)

### **C6orf81 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **C6orf81 Antibody (N-term) Blocking Peptide - Images**

### **C6orf81 Antibody (N-term) Blocking Peptide - Background**

C6orf81 (Chromosome 6 open reading frame 81) contains 3 ARM repeats. There are three named isoforms.

### **C6orf81 Antibody (N-term) Blocking Peptide - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Mungall, A.J., et al. Nature 425(6960):805-811(2003)