

**SH2D4A Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12049a****Specification**

---

**SH2D4A Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q9H788](#)

**SH2D4A Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 63898

**Other Names**

SH2 domain-containing protein 4A, Protein SH(2)A, Protein phosphatase 1 regulatory subunit 38, SH2D4A, PPP1R38, SH2A

**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.

**SH2D4A Antibody (N-term) Blocking peptide - Protein Information**

**Name** SH2D4A

**Synonyms** PPP1R38, SH2A

**Function**

Inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation. May play a role in T-cell development and function.

**Cellular Location**

Cytoplasm. Note=Located at podocyte foot processes.

**Tissue Location**

Ubiquitously expressed. Aberrantly expressed in some cancers.

**SH2D4A Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SH2D4A Antibody (N-term) Blocking peptide - Images****SH2D4A Antibody (N-term) Blocking peptide - Background**

SH2D4A inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation. May play a role in T-cell development and function.

**SH2D4A Antibody (N-term) Blocking peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Li, T., et al. BMB Rep 42(8):516-522(2009)Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)Lapinski, P.E., et al. J. Immunol. 181(3):2019-2027(2008)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)