

ATAD2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13073a

Specification

ATAD2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q6PL18](#)

ATAD2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 29028

Other Names

ATPase family AAA domain-containing protein 2, AAA nuclear coregulator cancer-associated protein, ANCCA, ATAD2

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.

ATAD2 Antibody (N-term) Blocking peptide - Protein Information

Name ATAD2

Function

May be a transcriptional coactivator of the nuclear receptor ESR1 required to induce the expression of a subset of estradiol target genes, such as CCND1, MYC and E2F1. May play a role in the recruitment or occupancy of CREBBP at some ESR1 target gene promoters. May be required for histone hyperacetylation. Involved in the estrogen-induced cell proliferation and cell cycle progression of breast cancer cells.

Cellular Location

Nucleus

Tissue Location

Highly expressed in estrogen receptor positive breast tumors and in osteosarcoma tumors.

ATAD2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ATAD2 Antibody (N-term) Blocking peptide - Images**ATAD2 Antibody (N-term) Blocking peptide - Background**

A large family of ATPases has been described, whose key feature is that they share a conserved region of about 220 amino acids that contains an ATP-binding site. The proteins that belong to this family either contain one or two AAA (ATPases Associated with diverse cellular Activities) domains. AAA family proteins often perform chaperone-like functions that assist in the assembly, operation, or disassembly of protein complexes. The protein encoded by this gene contains two AAA domains, as well as a bromodomain.

ATAD2 Antibody (N-term) Blocking peptide - References

Revenko, A.S., et al. Mol. Cell. Biol. 30(22):5260-5272(2010)Ciro, M., et al. Cancer Res. 69(21):8491-8498(2009)Zou, J.X., et al. Cancer Res. 69(8):3339-3346(2009)Zou, J.X., et al. Proc. Natl. Acad. Sci. U.S.A. 104(46):18067-18072(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)