10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 keyfeature is that they share a conserved region of about 220 aminoacids that contains an ATP-binding site. The proteins that belongto this family either contain one or two AAA (ATPases Associatedwith diverse cellular Activities) domains. AAA family proteinsoften perform chaperone-like functions that assist in the assembly,operation, or disassembly of protein complexes. The protein encodedby 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)