

# ATAD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13073a

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6PL18</a>
<b>Other Accession</b>	<a href="#">NP_054828.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	158554
<b>Antigen Region</b>	204-232

## Additional Information

---

<b>Gene ID</b>	29028
<b>Other Names</b>	ATPase family AAA domain-containing protein 2, AAA nuclear coregulator cancer-associated protein, ANCCA, ATAD2
<b>Target/Specificity</b>	This ATAD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 204-232 amino acids from the N-terminal region of human ATAD2.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	ATAD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	ATAD2
<b>Function</b>	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.

## 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.

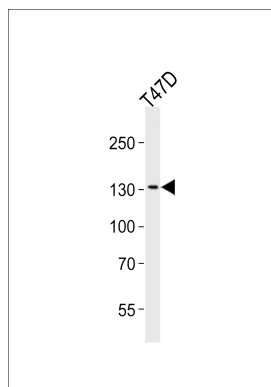
## References

---

- 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)

## Images

---



Western blot analysis of lysate from T47D cell line, using ATAD2 Antibody (N-term)(Cat. #AP13073a). AP13073a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.