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ATAD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13073a

Product Information

Application	WB, E
Primary Accession	Q6PL18
Other Accession	NP_054828.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	158554
Antigen Region	204-232

Additional Information

Gene ID	29028
Other Names	ATPase family AAA domain-containing protein 2, AAA nuclear coregulator cancer-associated protein, ANCCA, ATAD2
Target/Specificity	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.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	ATAD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

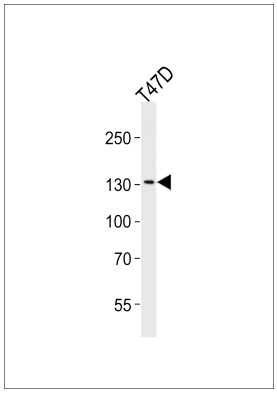
Background

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.