

ATAD2 Rabbit pAb

Catalog # AP98340

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6PL18
Other Accession	Q6PL18
Host	Rabbit
Clonality	Polyclonal
Calculated MW	158554
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ATAD2
Epitope Specificity	1001-1300/1390
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the AAA ATPase family. Contains 1 bromo domain.
SUBUNIT	Interacts with ESR1 and NCOA3 and these interactions are enhanced by estradiol. Interacts with acetylated lysine residues on histone H1.4, H2A, H2B and H3 (in vitro).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	29028
Other Names	ANCCA; CT137; PRO2000; ATAD2_HUMAN; ATAD2; AAA nuclear coregulator cancer-associated protein (ANCCA); 3.6.1.-; ATPase family AAA domain containing 2; AAA nuclear coregulator cancer-associated protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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