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Rabbit Anti-ATAD2 antibody

SL9110R

Product Name:	ATAD2
Chinese Name:	三磷酸腺苷酶家族蛋白2抗体
Alias:	AAA nuclear coregulator cancer-associated protein; ANCCA; Atad2; ATAD2_HUMAN; ATPase family AAA domain containing 2; ATPase family AAA domain containing protein 2; ATPase family AAA domain-containing protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	158kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATAD2:1001-1300/1390
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

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).

Subcellular Location:
Nucleus

Tissue Specificity:
Highly expressed in estrogen receptor positive breast tumors and in osteosarcoma tumors.

Similarity:
Belongs to the AAA ATPase family.
Contains 1 bromo domain.

SWISS:
Q6PL18

Gene ID:
29028

Database links:

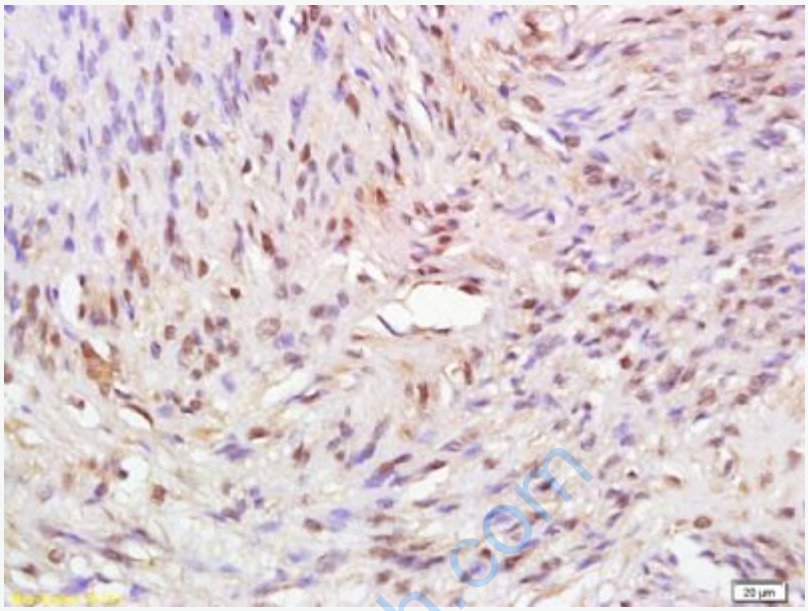
Entrez Gene: 29028Human

Omim: 611941Human

SwissProt: Q6PL18Human

Unigene: 370834Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-ATAD2 Polyclonal Antibody, Unconjugated(SL9110R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining