

Product datasheet

HRP Anti-ATAD2 antibody [EPR12730] ab201743

KO VALIDATED

Recombinant

RabMAb[®]

3 Images

Overview

Product name	HRP Anti-ATAD2 antibody [EPR12730]
Description	HRP Rabbit monoclonal [EPR12730] to ATAD2
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Saos-2 whole cell lysates.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12730
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab201743 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 190 kDa (predicted molecular weight: 159 kDa).

Target

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.

Tissue specificity

Highly expressed in estrogen receptor positive breast tumors and in osteosarcoma tumors.

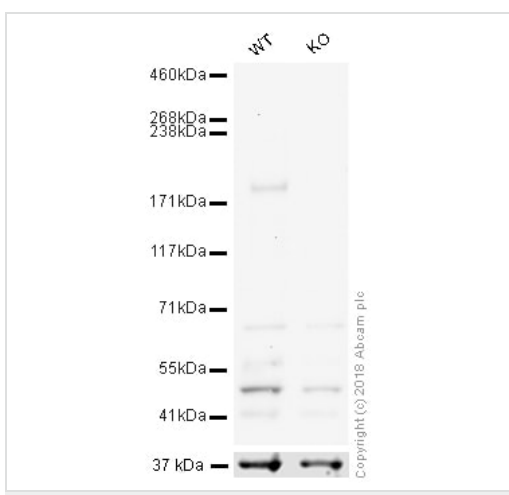
Sequence similarities

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

Cellular localization

Nucleus.

Images



Western blot - HRP Anti-ATAD2 antibody [EPR12730] (ab201743)

All lanes : HRP Anti-ATAD2 antibody [EPR12730] (ab201743)

Lane 1 : Wild-type HAP1 whole cell lysate

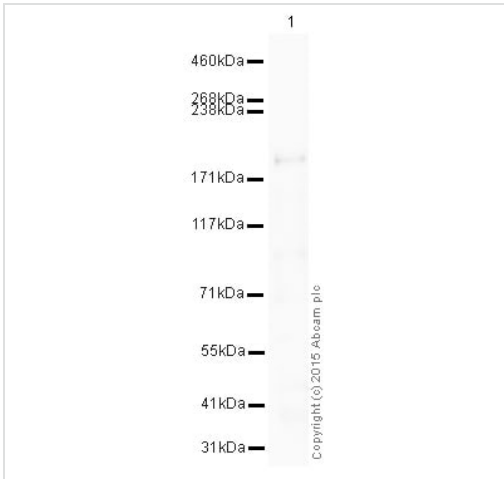
Lane 2 : ATAD2 knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 159 kDa

Exposure time: 20 minutes

ab201743 was shown to recognize ATAD2 in wild-type HAP1 cells as signal was lost at the expected MW in ATAD2 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and ATAD2 knockout samples were subjected to SDS-PAGE. ab201743 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



Western blot - HRP Anti-ATAD2 antibody [EPR12730] (ab201743)

HRP Anti-ATAD2 antibody [EPR12730] (ab201743) at 1/5000 dilution + Saos 2 (Human epithelial-like osteosarcoma cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 159 kDa

Observed band size: 190 kDa

Exposure time: 1 minute

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab201743 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

HRP Anti-ATAD2 antibody [EPR12730] (ab201743)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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