


## Product datasheet

### Anti-ICER antibody ab230543

[1 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-ICER antibody
<b>Description</b>	Rabbit polyclonal to ICER
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Dog, Pig 
<b>Immunogen</b>	Synthetic peptide corresponding to Human ICER (internal sequence) conjugated to keyhole limpet haemocyanin. Database link: <a href="#">Q03060</a>
<b>Positive control</b>	WB: HeLa and RAW 264.7 whole cell lysate. IHC-P: Human testis and brain tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.01% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab230543 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
IHC-P		1/100.
WB		1/500 - 1/1000. Predicted molecular weight: 39 kDa.

## Target

### Function

Transcriptional regulator that binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. Isoforms are either transcriptional activators or repressors. Plays a role in spermatogenesis and is involved in spermatid maturation.

### Tissue specificity

Expressed in testes (round spermatids) (at protein level). Isoform 14 is the major activator form in testes.

### Sequence similarities

Belongs to the bZIP family.  
Contains 1 bZIP (basic-leucine zipper) domain.  
Contains 1 KID (kinase-inducible) domain.

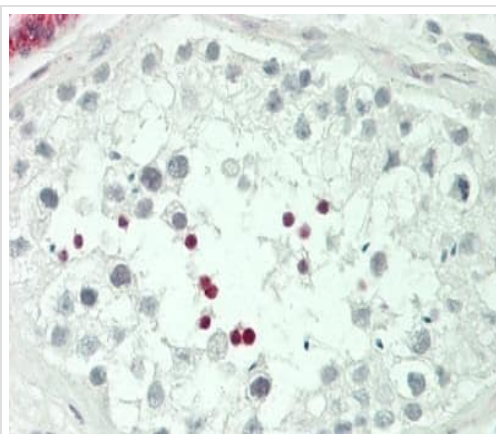
### Post-translational modifications

Isoform 9 is ubiquitinated by CDC34 and RAD6B in order to be degraded by the proteasome. Stimulated by phosphorylation.

### Cellular localization

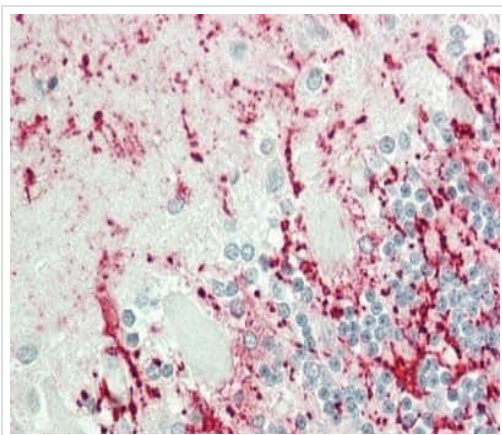
Nucleus.

## Images



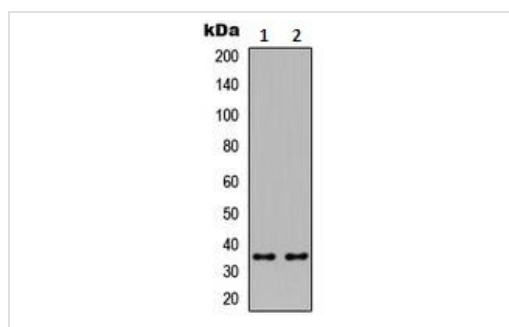
Formalin-fixed, paraffin-embedded human testis tissue stained for ICER using ab230543 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICER antibody (ab230543)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICER antibody (ab230543)

Formalin-fixed, paraffin-embedded human brain (cerebellum) tissue stained for ICER using ab230543 at 1/100 dilution in immunohistochemical analysis.



Western blot - Anti-ICER antibody (ab230543)

**All lanes :**

**Lane 1 :** HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2 :** RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

**Predicted band size:** 39 kDa

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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