


Product datasheet

Anti-CIA antibody ab70831

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

Overview

Product name	Anti-CIA antibody
Description	Rabbit polyclonal to CIA
Host species	Rabbit
Tested applications	Suitable for: IP, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Horse, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide within Human CIA aa 1-100 (N terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q9HCD5
Positive control	HeLa and 293T whole cell lysates.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab70831 was affinity purified using an epitope specific to CIA immobilized on solid support.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70831 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
IP		Use at 2-5 µg/mg of lysate.
WB		1/1000 - 1/5000. Detects a band of approximately 66 kDa (predicted molecular weight: 66 kDa).
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

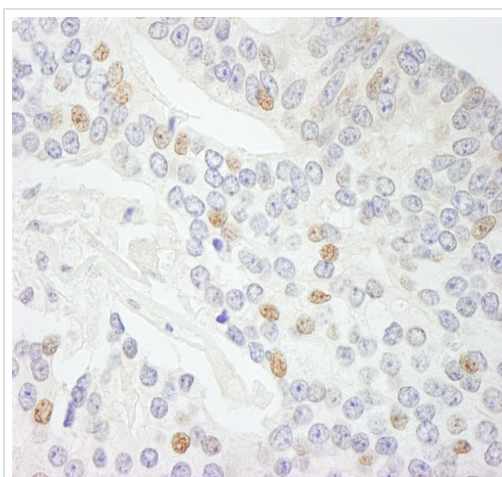
Relevance

CIA is a nuclear receptor coregulator that can have both coactivator and corepressor functions. It interacts with nuclear receptors for steroids (ESR1 and ESR2) independently of the steroid binding domain (AF2) of the ESR receptors, and with the orphan nuclear receptor NR1D2. It is also involved in the coactivation of nuclear steroid receptors (ER) as well as the corepression of MYC/c myc in response to 17 beta estradiol (E2).

Cellular localization

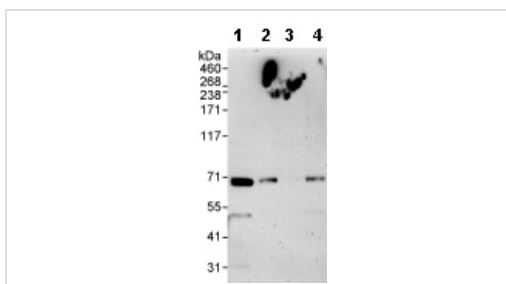
Nuclear

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling CIA with ab70831 at 1/200 (1 µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CIA antibody (ab70831)



Western blot - Anti-CIA antibody (ab70831)

All lanes : Anti-CIA antibody (ab70831) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 3 µg

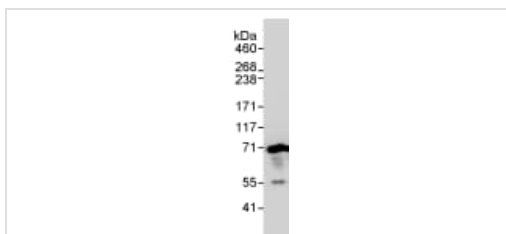
Lane 4 : 293T whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 66 kDa

Observed band size: 66 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-CIA antibody (ab70831)

Detection of CIA by Western Blot of Immunoprecipitate.

ab70831 at 1µg/ml staining CIA in HeLa whole cell lysate

immunoprecipitated using ab70831 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 30 seconds.

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

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