

## Product datasheet

# Anti-Cre recombinase antibody ab190177

★★★★☆ 8 Abreviews 10 References 2 Images

### Overview

<b>Product name</b>	Anti-Cre recombinase antibody
<b>Description</b>	Rabbit polyclonal to Cre recombinase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Bacteriophage P1
<b>Immunogen</b>	<p>Full length protein corresponding to Bacteriophage P1 Cre recombinase aa 1-343. The immunogen was tagged with a 6xHis tag and an S tag.</p> <p>Sequence:</p> <pre> MSNLLTVHQNLPALPVDATSDEVRKNLMDMFRDRQAFSE HTWKMLLSVCR SWAAWCKLNNRKWFPAEPEDVRDYLLYLQARGLAVKTIQ QHLGQLNMLHR RSGLPSPSDSNVSLVMRRIRKENVDAGERAKQALAFER TDFDQVRSLME NSDRCQDIRNLAFLGIAYNLLRIAEIARIRVKDISRTDGGRM LIHIGRT KTLVSTAGVEKALSLGVTKLVERWISVSGVADDPNNYLC RVRKNGVAAP SATSQLSTRALEGIFEATHRLIYGAKDDSGQRYLAWSGHS ARVGAARDMA RAGVSIPEIMQAGGWTNVNVMNYIRNLDSETGAMVRLLED GD </pre> <p>Database link: <a href="#">P06956</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a> </p>
<b>Positive control</b>	WB: Human HEK-293T cells transfected with GFP-Cre recombinase cell lysate. ICC/IF: U-2 OS cells transfected with GFP-Cre recombinase.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in</p>

our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

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<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>	Preservative: 0.05% Sodium azide
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab190177** 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		1/2000. Predicted molecular weight: 39 kDa.
ICC/IF		1/3000.

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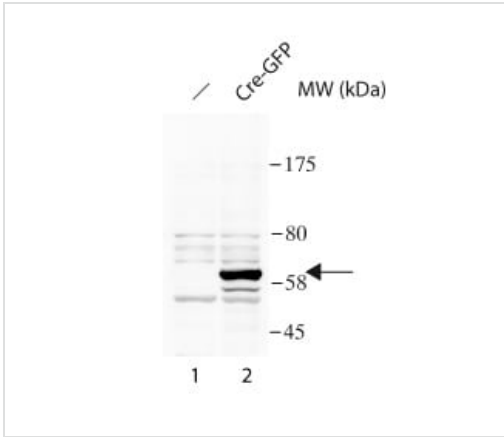
## Target

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<b>Relevance</b>	Cre-recombinase is a 38 kDa DNA recombinase derived from the P1 bacteriophage. It is highly specific for a 34 bp DNA sequence (loxP) found in P1 DNA. It catalyzes site-specific recombination between two 34-base-pair LOXP sites. Its role is to maintain the phage genome as a monomeric unit-copy plasmid in the lysogenic state. It is homotetramer when bound to DNA and belongs to the "phage" integrase family.
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## Images

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Western blot - Anti-Cre recombinase antibody (ab190177)

**All lanes** : Anti-Cre recombinase antibody (ab190177) at 1/2000 dilution

**Lane 1** : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

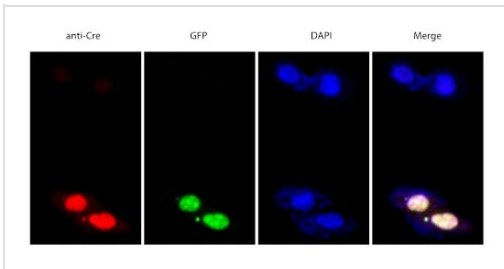
**Lane 2** : HEK-293T cells transfected with GFP-Cre recombinase lysate

Lysates/proteins at 40 µg per lane.

**Predicted band size:** 39 kDa

Predicted band size : 26 kDa (GFP) 38 kDa (Cre)= 64 kDa

WB: 40 µg of whole cell extracts transfer in nitrocellulose, block: 1 hour 5% milk in TBST, incubation with primary antibody o/n @ +4°C in 5% milk TBST.



Immunocytochemistry/ Immunofluorescence - Anti-Cre recombinase antibody (ab190177)

Immunofluorescent analysis of U-2 OS cells (Human bone osteosarcoma epithelial cell line) transfected with GFP-Cre recombinase (green) labeling Cre recombinase with ab190177 at 1/3000 dilution (red). DAPI staining is shown in blue.

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

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