abcam

ab216262

Anti-Cre recombinase antibody

Anti-Cre recombinase antibody (ab216262) is a rabbit polyclonal antibody detecting Cre recombinase in **Western Blot, Flow Cytometry, ICC/IF**. Suitable for **Bacteriophage P1**.

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.05% Sodium azide
Form	Liquid
Clonality	Polyclonal
Immunogen	Recombinant Fragment Protein within Bacteriophage P1 Recombinase cre aa 1-200. The exact immunogen used to generate this antibody is proprietary information. Database link P06956
Purity	Whole antiserum

Reactivity data

ICC/IF

Tested

Species	Recombinant fragment
Dilution info	1/1000 - 1/2000
Notes	Use antigen retrieval with microwave boiling for 7 minutes in 10mM Tris HCl, pH 9.

Expected

Species	Bacteriophage P1
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Recombinant fragment
Dilution info	1/2000
Notes	-

Expected

Species	Bacteriophage P1
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Bacteriophage P1
Dilution info	1/200
Notes	-

Not recommended

Species	Recombinant fragment
Dilution info	-
Notes	-

Target data

See full target information Recombinase cre

Function	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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-Cre recombinase antibody (ab216262) is a rabbit polyclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Flow Cyt), Immunocytochemistry/immunofluorescence (ICC/IF) in Bacteriophage P1 samples.

What is the molecular weight of Cre recombinase?
Anti-Cre recombinase (ab216262) specifically detects a band for Cre recombinase (UniProt: P06956) at a molecular weight of 39kDa.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

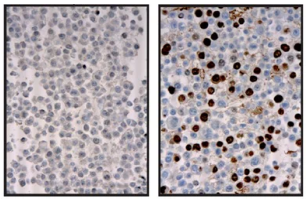
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

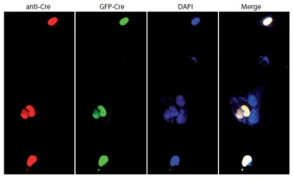
Full details and terms and conditions can be found here:
Terms & Conditions.

4 product images



Immunocytochemistry/ Immunofluorescence - Anti-Cre recombinase antibody (ab216262)

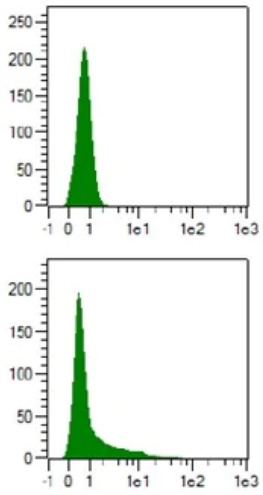
Immunocytochemistry analysis of formalin fixed and paraffin-embedded 239T transfected with empty vector (left) or with GFP-Cre recombinase (right) labeling Cre recombinase using ab216262 at 1/1000 dilution, after antigen retrieval.



Immunocytochemistry/ Immunofluorescence - Anti-Cre recombinase antibody (ab216262)

Cre recombinase Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Cre recombinase antibody

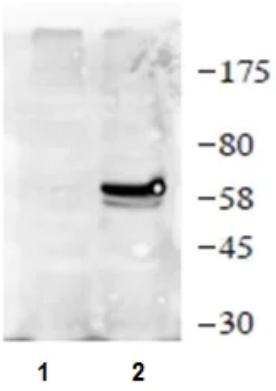
Immunofluorescent analysis of formalin fixed 293T cells transfected with GFP-Cre recombinase (green) and incubated with ab216262 at 1/2000 dilution (red). DAPI staining is shown in blue.



Flow Cytometry - Anti-Cre recombinase antibody (ab216262)

Cre recombinase Flow Cytometry staining using rabbit Anti-Cre recombinase antibody

Flow cytometric analysis of formalin fixed 293T non transfected (top) or transfected with GFP-Cre recombinase (bottom) labeling Cre recombinase using ab216262 at 1/200 dilution, followed by Alexa 647 conjugated secondary antibody detection.



Western blot - Anti-Cre recombinase antibody (ab216262)

All lanes:
Western blot - Anti-Cre recombinase antibody (ab216262) at 1/2000 dilution

Lane 1:
Human 293T cell lysate at 40 µg

Lane 2:
Human 293T cells transfected with GFP-Cre recombinase lysate at 40 µg

Predicted band size: 39 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.