


Product datasheet

Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free ab250650

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free
Description	Rabbit monoclonal [EPR14285] to Centaurin alpha 1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IP, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250650 is the carrier-free version of ab183038.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14285
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250650 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
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).

Target

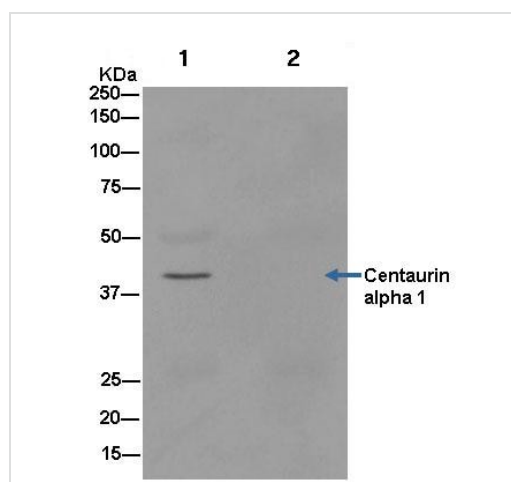
Relevance

The centaurin alpha 1 protein is a high affinity PtdIns(3,4,5)P3 binding protein enriched in brain. By acting as a GTPase activating protein for ADP ribosylation factor 6 (ARF6), centaurin alpha 1 is able to switch off ARF6 and inhibit its ability to mediate beta 2 adrenoceptor internalization and negatively regulates ARF6 activity by functioning as an in vivo PIP3 dependent ARF6 GAP.

Cellular localization

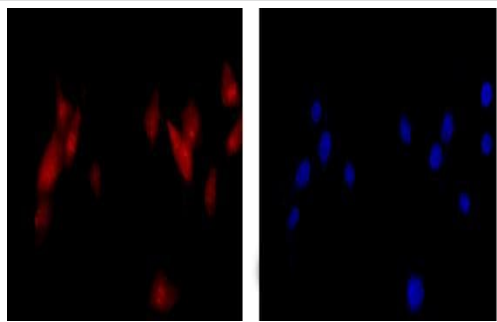
Cytoplasmic, Nuclear and Plasma membrane

Images



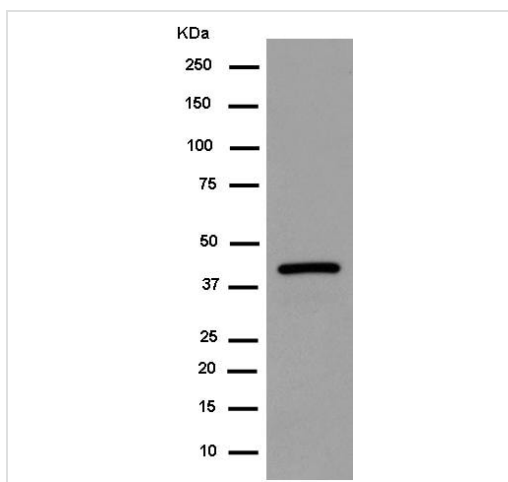
Immunoprecipitation - Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free (ab250650)

This data was developed using **ab183038**, the same antibody clone in a different buffer formulation. Immunoprecipitation analysis of Human fetal brain lysate labeling Centaurin alpha 1 using **ab183038** at 1/50 dilution. A Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free (ab250650)

This data was developed using **ab183038**, the same antibody clone in a different buffer formulation. Immunofluorescent analysis of 4% paraformaldehyde fixed U87 MG cells labeling Centaurin alpha 1 with **ab183038** at 1/100 followed by Goat anti rabbit IgG (Alexa Fluor® 555) at 1/200 (red). The cells are also seen stained with dapi (blue).



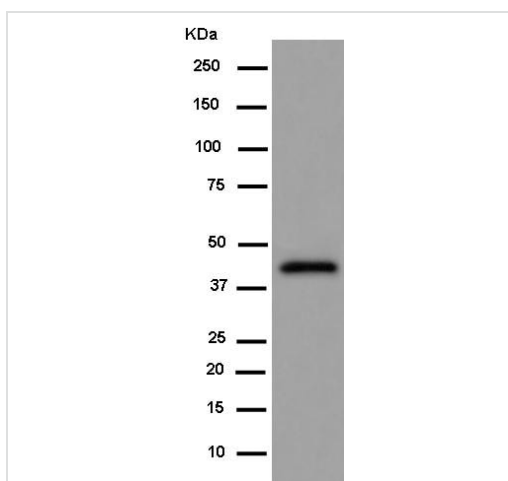
Western blot - Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free (ab250650)

Anti-Centaurin alpha 1 antibody [EPR14285] (**ab183038**) at 1/20000 dilution + Human fetal brain tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 43 kDa



Western blot - Anti-Centaurin alpha 1 antibody [EPR14285] - BSA and Azide free (ab250650)

Anti-Centaurin alpha 1 antibody [EPR14285] (**ab183038**) at 1/5000 dilution + A431 cell line lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at 1/1000 dilution

Predicted band size: 43 kDa

This data was developed using **ab183038**, the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Centaurin alpha 1 antibody [EPR14285] - BSA
and Azide free (ab250650)

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

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