abcam

Product datasheet

Anti-CAP1 antibody [EPR8338] - BSA and Azide free ab232037

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CAP1 antibody [EPR8338] - BSA and Azide free
Description	Rabbit monoclonal [EPR8338] to CAP1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB, ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human bladder carcinoma tissue.
General notes	ab232037 is the carrier-free version of **ab133655**. 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. 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. 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. 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. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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	EPR8338
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232037 in the following tested applications.

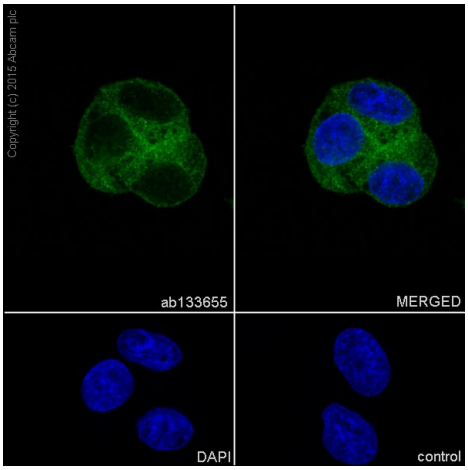
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 52 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Directly regulates filament dynamics and has been implicated in a number of complex developmental and morphological processes, including mRNA localization and the establishment of cell polarity.
Sequence similarities	Belongs to the CAP family. Contains 1 C-CAP/cofactor C-like domain.
Cellular localization	Cell membrane.

Images

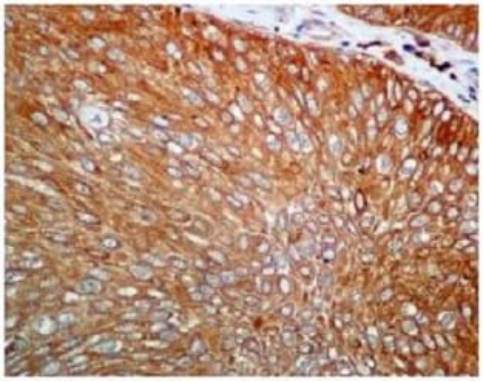


Immunocytochemistry/ Immunofluorescence - Anti-CAP1 antibody [EPR8338] - BSA and Azide free (ab232037)

Immunocytochemistry/Immunofluorescence analysis of HepG2 (human hepatocellular carcinoma) cells labelling CAP1 with purified **ab133655** at a dilution of 1/500. Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) at dilution of 1/1000 was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133655**).

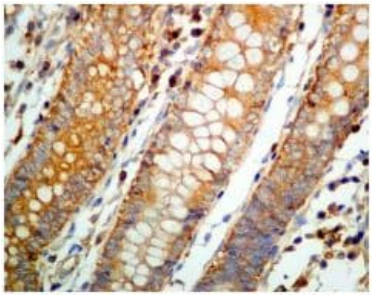


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAP1 antibody [EPR8338] - BSA and Azide free (ab232037)

Immunohistochemical analysis of paraffin-embedded human bladder carcinoma tissue labelling CAP1 with **ab133655** at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133655**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAP1 antibody [EPR8338] - BSA and Azide free (ab232037)

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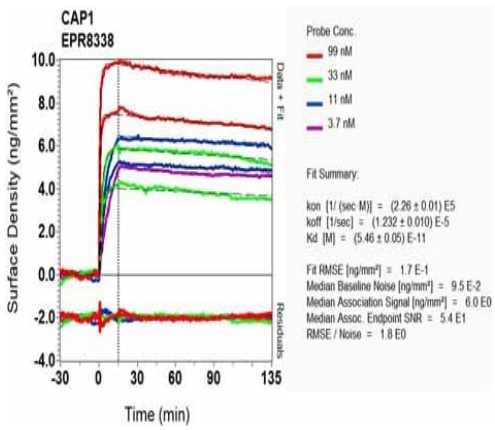

OI-RD Scanning - Anti-CAP1 antibody [EPR8338] - BSA and Azide free (ab232037)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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Anti-CAP1 antibody [EPR8338] - BSA and Azide free (ab232037)

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