abcam

Product datasheet

Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free ab250468

Recombinant RabMAb

7 Images

Overview

Product name	Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR14256(B)] to CRABP2 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), IHC-P, ICC/IF, WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab250468 is the carrier-free version of **ab181255**. 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	EPR14256(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250468 in the following tested applications.

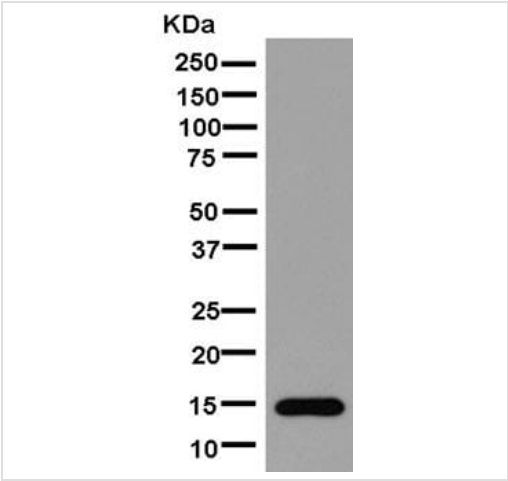
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 16 kDa (predicted molecular weight: 16 kDa).

Target

Function	Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.
Sequence similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Domain	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
Cellular localization	Cytoplasm. Nucleus. Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.

Images



Western blot - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

Anti-CRABP2 antibody [EPR14256(B)] (**ab181255**) at 1/50000 dilution + MCF7 cell lysate at 20 µg

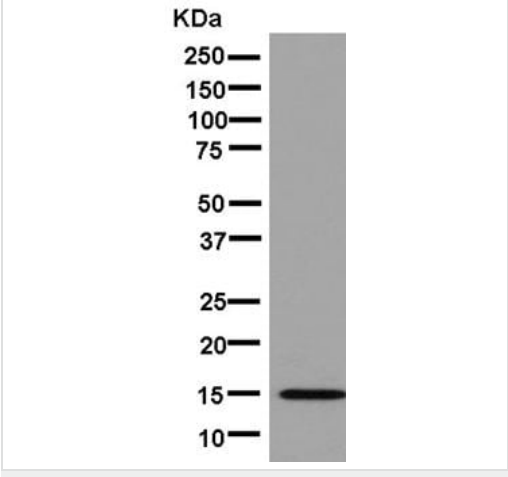
Secondary

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

Developed using the ECL technique.

Predicted band size: 16 kDa
Observed band size: 16 kDa

This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.



Western blot - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

Anti-CRABP2 antibody [EPR14256(B)] (**ab181255**) at 1/10000 dilution + Human skin cell lysate at 10 µg

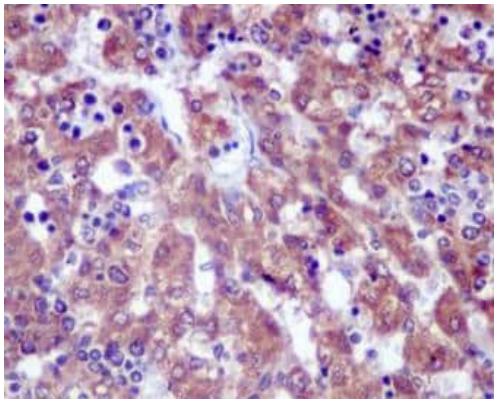
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab136636**) at 1/500 dilution

Developed using the ECL technique.

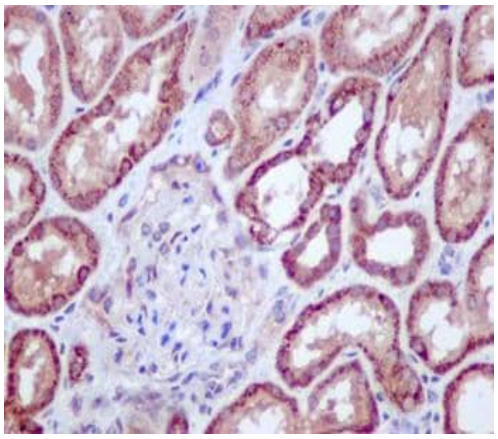
Predicted band size: 16 kDa
Observed band size: 16 kDa

This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.



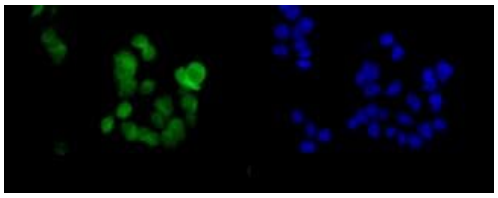
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded, Human liver tissue labeling CRABP2 with **ab181255** at a 1/100 dilution. Counter stained with hematoxylin. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



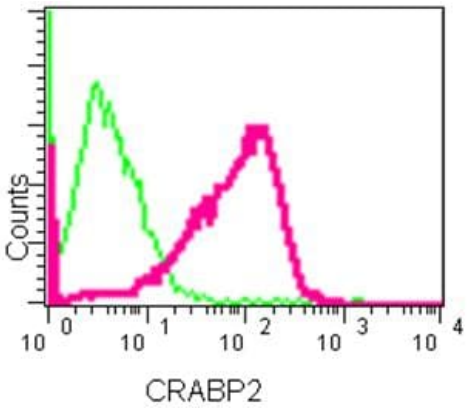
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded, Human kidney tissue labeling CRABP2 with **ab181255** at a 1/100 dilution. Counter stained with hematoxylin. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

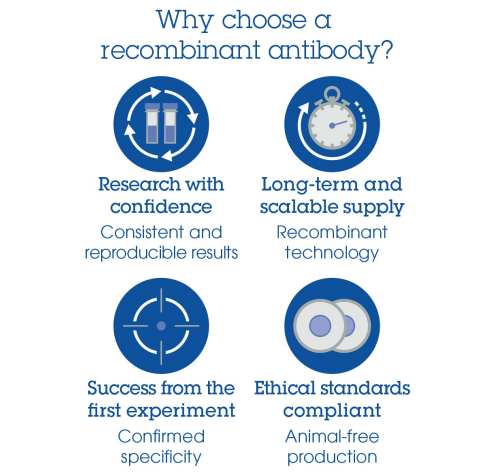
This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.Immunofluorescence analysis of, paraformaldehyde-fixed, MCF7 cells labeling CRABP2 with **ab181255** at a 1/250 dilution. As secondary antibody Goat anti rabbit IgG (Alexa Fluor®488) (green) was used at a 1/200 dilution. DAPI staining in blue.



Flow Cytometry (Intracellular) - Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

This data was developed using **ab181255**, the same antibody clone in a different buffer formulation.

Intracellular Flow Cytometry analysis of, paraformaldehyde-fixed, MCF7 cells labeling CRABP2 (red) with **ab181255** at a 1/80 dilution, or negative control rabbit monoclonal IgG (green). As secondary antibody goat anti rabbit IgG (FITC) was used at a 1/150 dilution.



Anti-CRABP2 antibody [EPR14256(B)] - BSA and Azide free (ab250468)

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