abcam

Product datasheet

Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free ab236063

Recombinant RabMAb

6 Images

Overview

Product name	Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free
Description	Rabbit monoclonal [EPR6576] to CYP2C19 - BSA and Azide free
Host species	Rabbit
Specificity	This antibody is very likely to be cross-reactive with many Cytochrome P450 family members. According to the blast result, in human species, the immunogen has 100% homology with CYP2C9, CYP2A6 and CYP2A7, 85.7% with CYP2C18, 78.6% with CYP2A13 and CYP2C8. CYP2C19 doesn`t exist in mouse and rat species. The immunogen shares 100% homology with mouse CYP2A4, CYP2A5, CYP2A12, CYP2C29, CYP2C70 and rat CYP2A3, CYP2C6, CYP2C55, 92.9% with mouse CYP2C37, CYP2C50, CYP2C55 and rat CYP2C11, CYP2C13.
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human liver tissue.
General notes	ab236063 is the carrier-free version of **ab137015**. 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

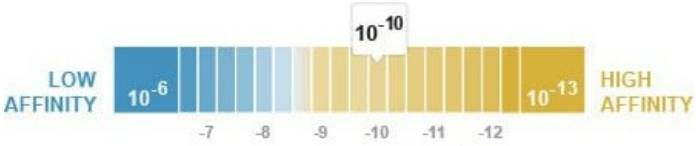
- Long-term security of supply
- Animal-free production

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.
Dissociation constant (K_D)	$K_D = 1.24 \times 10^{-10}$ M



Learn more about K_D

Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6576
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab236063 in the following tested applications.

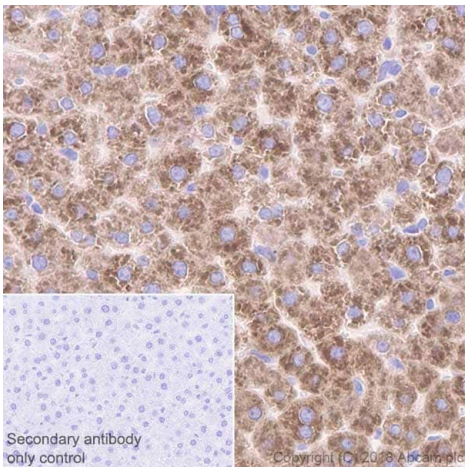
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 56 kDa.

Target

Relevance	Responsible for the metabolism of a number of therapeutic agents such as the anticonvulsant drug S-mephenytoin, omeprazole, proguanil, certain barbiturates, diazepam, propranolol, citalopram and imipramine.
Cellular localization	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.

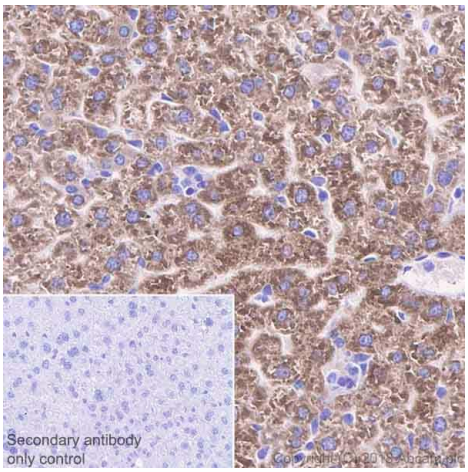
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat liver tissue sections labeling CYP2C19 with Purified **ab137015** at 1:1000 dilution (0.49 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody.Hematoxylinwas used as a counterstain

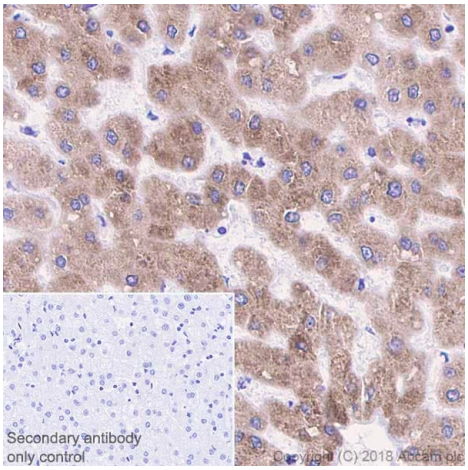
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137015**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse liver tissue sections labeling CYP2C19 with Purified **ab137015** at 1:1000 dilution (0.49 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody.Hematoxylinwas used as a counterstain.

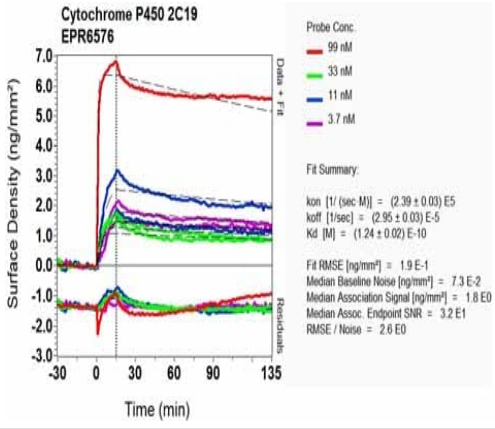
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137015**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human liver tissue sections labeling CYP2C19 with Purified **ab137015** at 1:1000 dilution (0.49 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody.Hematoxylinwas used as a counterstain.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137015**).



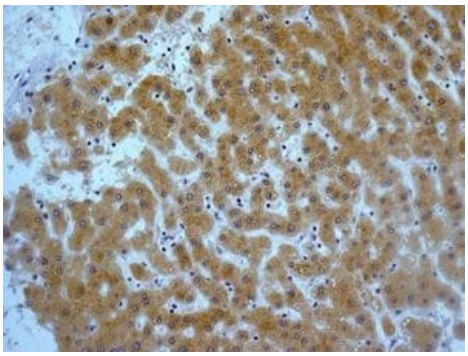
OI-RD Scanning - Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

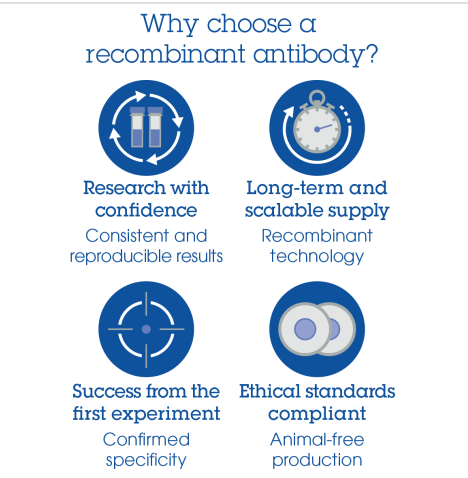
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137015**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

Immunohistochemical analysis of paraffin-embedded human liver tissue labelling CYP2C19 with **ab137015** at 1/250 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137015**).



Anti-CYP2C19 antibody [EPR6576] - BSA and Azide free (ab236063)

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