

Anti-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] - BSA and Azide free ab248900

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR9985(B)] to Cytochrome P450 2B6/CYP2B6 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248900 is the carrier-free version of ab140609.</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> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	EPR9985(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248900 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

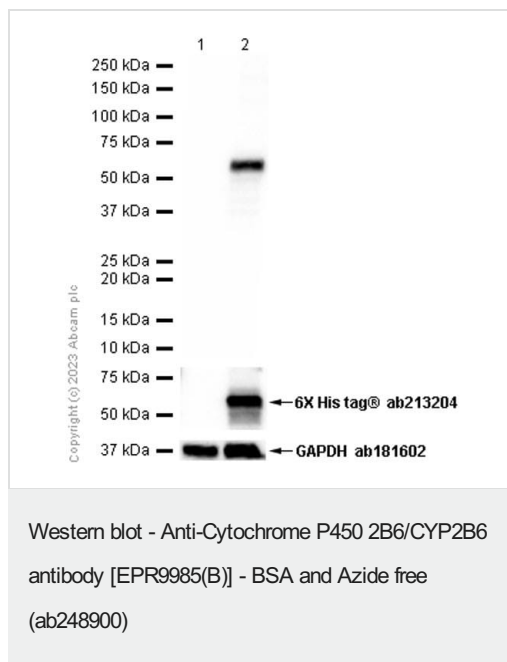
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.
Tissue specificity	Expressed in liver, lung and heart right ventricle.
Sequence similarities	Belongs to the cytochrome P450 family.
Post-translational modifications	Phosphorylation is accompanied by a decrease in enzyme activity.
Cellular localization	Endoplasmic reticulum membrane. Microsome membrane.

Images



All lanes : Anti-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] ([ab140609](#)) at 1/10000 dilution

Lane 1 : HEK-293T (human epithelial cell from embryonic kidney transformed with large T antigen) transfected with an empty expression vector, whole cell lysate

Lane 2 : HEK-293T transfected with full length His-tagged Human CYP2B6 expression vector, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

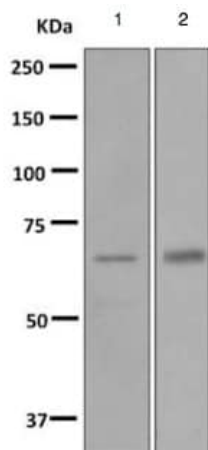
Predicted band size: 56 kDa

Observed band size: 55 kDa

Exposure time: 3 seconds

Blocking and dilution buffer: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab140609](#)).



Western blot - Anti-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] - BSA and Azide free (ab248900)

All lanes : Anti-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] ([ab140609](#)) at 1/1000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : Fetal kidney lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit IgG at 1/2000 dilution

Predicted band size: 56 kDa

This data was developed using [ab140609](#), 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-Cytochrome P450 2B6/CYP2B6 antibody [EPR9985(B)] - BSA and Azide free (ab248900)

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

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