


Product datasheet

Anti-Cyp26B1 antibody [EPR13182] ab182162

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Cyp26B1 antibody [EPR13182]
Description	Rabbit monoclonal [EPR13182] to Cyp26B1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, K562 and BxPC-3 cell lysates; K562 cells.
General notes	<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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13182
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182162 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)		1/120. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).

Target

Function

Involved in the metabolism of retinoic acid (RA), rendering this classical morphogen inactive through oxidation. Involved in the specific inactivation of all-trans-retinoic acid (all-trans-RA), with a preference for the following substrates: all-trans-RA > 9-cis-RA > 13-cis-RA. Generates several hydroxylated forms of RA, including 4-OH-RA, 4-oxo-RA, and 18-OH-RA. Essential for postnatal survival. Plays a central role in germ cell development: acts by degrading RA in the developing testis, preventing STRA8 expression, thereby leading to delay of meiosis. Required for the maintenance of the undifferentiated state of male germ cells during embryonic development in Sertoli cells, inducing arrest in G0 phase of the cell cycle and preventing meiotic entry. Plays a role in skeletal development, both at the level of patterning and in the ossification of bone and the establishment of some synovial joints.

Tissue specificity

Highly expressed in brain, particularly in the cerebellum and pons.

Involvement in disease

Radiohumeral fusions with other skeletal and craniofacial anomalies

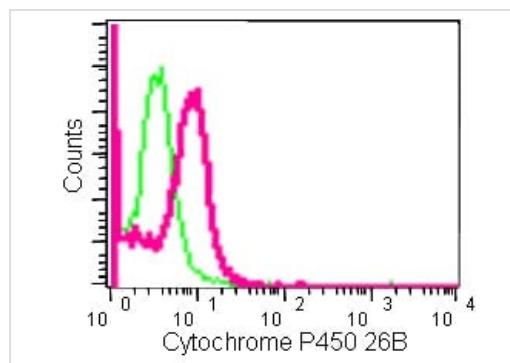
Sequence similarities

Belongs to the cytochrome P450 family.

Cellular localization

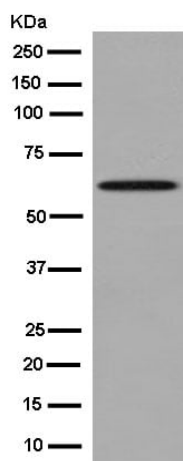
Endoplasmic reticulum membrane. Microsome membrane.

Images



Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed K562 cells labeling Cyp26B1 with ab182162 at 1/120 dilution (red) compared to a Rabbit monoclonal IgG isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.

Flow Cytometry (Intracellular) - Anti-Cyp26B1 antibody [EPR13182] (ab182162)



Western blot - Anti-Cyp26B1 antibody [EPR13182] (ab182162)

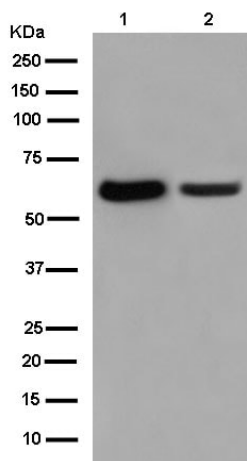
Anti-Cyp26B1 antibody [EPR13182] (ab182162) at 1/10000 dilution + K562 cell lysate at 10 µg

Secondary

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

Predicted band size: 58 kDa

Observed band size: 58 kDa



Western blot - Anti-Cyp26B1 antibody [EPR13182] (ab182162)

All lanes : Anti-Cyp26B1 antibody [EPR13182] (ab182162) at 1/5000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : BxPC-3 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

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-Cyp26B1 antibody [EPR13182] (ab182162)

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

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