

Product datasheet

Anti-IDH3B antibody ab121016

2 References 1 Image

Overview

Product name	Anti-IDH3B antibody
Description	Goat polyclonal to IDH3B
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Cow, Dog, Human, Pig 
Immunogen	Synthetic peptide: C-TTDFIKSVIGHLQTK , corresponding to C terminal amino acids 369-383 of Human IDH3B (NP_008830.2; NP_777281.1). Run BLAST with Run BLAST with
Positive control	Mouse fetal kidney lysate, Mouse fetal skeletal muscle lysate, NIH3T3 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab121016** 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 a concentration of 0.03 - 0.1 µg/ml. Predicted molecular weight: 42 kDa.

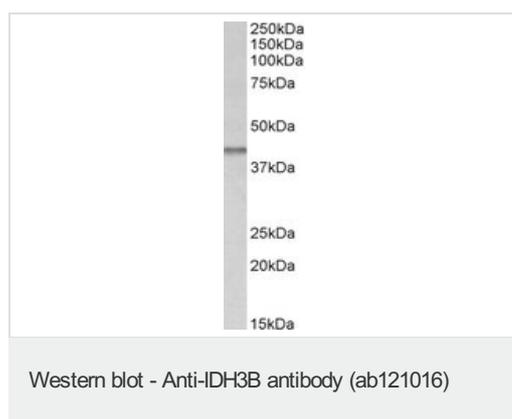
Target

Involvement in disease Defects in IDH3B are the cause of retinitis pigmentosa type 46 (RP46) [MIM:612572]. RP is a retinal dystrophy belonging to the group of pigmentary retinopathies. RP is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

Sequence similarities Belongs to the isocitrate and isopropylmalate dehydrogenases family.

Cellular localization Mitochondrion.

Images



Anti-IDH3B antibody (ab121016) at 0.03 µg/ml + Mouse fetal kidney lysate at 35 µg

Predicted band size: 42 kDa

Observed band size: 40 kDa

[why is the actual band size different from the predicted?](#)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors