

Product datasheet

Anti-SLC25A38 antibody [EPBHMR1] ab133614

Recombinant RabMAb

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Overview

Product name	Anti-SLC25A38 antibody [EPBHMR1]
Description	Rabbit monoclonal [EPBHMR1] to SLC25A38
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 within Human SLC25A38 aa 50-150. The exact sequence is proprietary.
Positive control	TF-1 cell lysate
General notes	<p>This antibody was developed as part of a collaboration between Epitomics, Sanford Burnham Medical Research Institute and the lab of Huaxi Xu.</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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPBHMR1
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133614 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

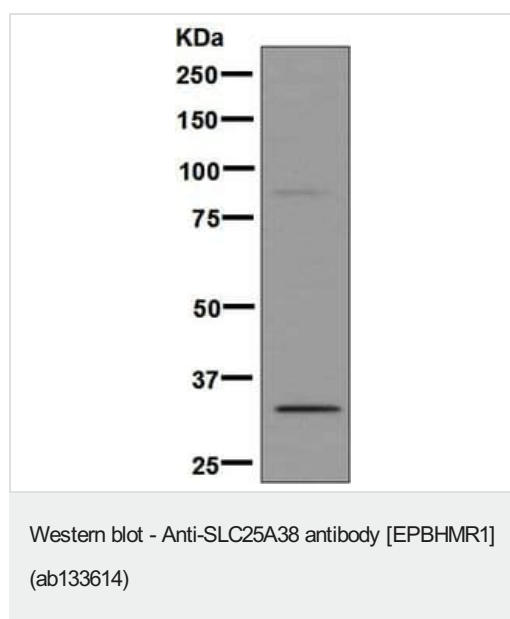
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).

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

Target

Function	Mitochondrial carrier required during erythropoiesis. Probably involved in the biosynthesis of heme, possibly by facilitating 5-aminolevulinate (ALA) production. May act by importing glycine into mitochondria or by exchanging glycine for ALA across the mitochondrial inner membrane.
Tissue specificity	Preferentially expressed in erythroid cells.
Involvement in disease	Anemia, sideroblastic, pyridoxine-refractory, autosomal recessive
Sequence similarities	Belongs to the mitochondrial carrier (TC 2.A.29) family. SLC25A38 subfamily. Contains 3 Solcar repeats.
Cellular localization	Mitochondrion inner membrane.

Images



Anti-SLC25A38 antibody [EPBHMR1] (ab133614) at 1/1000 dilution + TF-1 cell lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 33 kDa

Observed band size: 33 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-SLC25A38 antibody [EPBHR1] (ab133614)

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

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