

BLVRA Antibody (Center Y83)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20430c

Product Information

Application WB, E Primary Accession P53004

Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB43640
Calculated MW 33428
Antigen Region 61-89

Additional Information

Gene ID 644

Other Names Biliverdin reductase A, BVR A, Biliverdin-IX alpha-reductase, BLVRA, BLVR, BVR

Target/Specificity This BLVRA antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 61-89 amino acids from the Central

region of human BLVRA.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions BLVRA Antibody (Center Y83) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name BLVRA (HGNC:1062)

Function Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin

IXalpha, to bilirubin with the concomitant oxidation of a NADH or NADPH

cofactor (PubMed: <u>10858451</u>, PubMed: <u>7929092</u>, PubMed: <u>8424666</u>,

PubMed:<u>8631357</u>). Does not reduce bilirubin IXbeta (PubMed:<u>10858451</u>). Uses the reactants NADH or NADPH depending on the pH; NADH is used at

the acidic pH range (6-6.9) and NADPH at the alkaline range (8.5-8.7) (PubMed:<u>7929092</u>, PubMed:<u>8424666</u>, PubMed:<u>8631357</u>). NADPH, however, is the probable reactant in biological systems (PubMed:<u>7929092</u>).

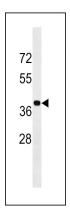
Cellular Location Cytoplasm, cytosol

Tissue Location Liver.

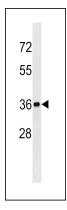
Background

Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor.

Images



BLVRA Antibody (Center Y83) (Cat. #AP20430c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the BLVRA antibody detected the BLVRA protein (arrow).



BLVRA Antibody (Center Y83) (Cat. #AP20430c) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the BLVRA antibody detected the BLVRA protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.