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BLVRA Antibody (Center Y83)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20430c

Product Information

Application	WB, E
Primary Accession	P53004
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
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

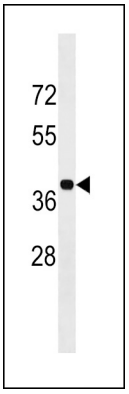
Name	BLVRA (HGNC:1062)
Function	Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IXalpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor (PubMed:10858451, PubMed:7929092, PubMed:8424666, PubMed:8631357). Does not reduce bilirubin IXbeta (PubMed:10858451).

	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:7929092, PubMed:8424666, PubMed:8631357). NADPH, however, is the probable reactant in biological systems (PubMed:7929092).
Cellular Location	Cytoplasm, cytosol
Tissue Location	Liver.

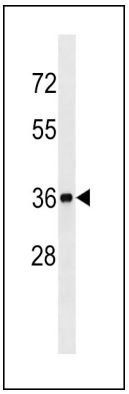
Background

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'.