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BLVRA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14371b

Product Information

Application	WB, E
Primary Accession	P53004
Other Accession	NP_000703.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34234
Calculated MW	33428
Antigen Region	201-230

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 201-230 amino acids from the C-terminal 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 (C-term) 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.

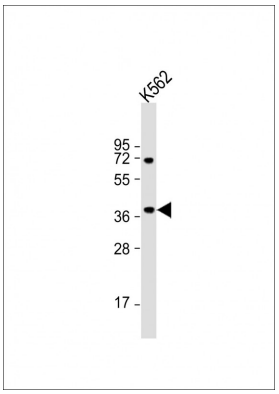
Background

Biliverdin reductases, such as BLVRA (EC 1.3.1.24), catalyze the conversion of biliverdin to bilirubin in the presence of NADPH or NADH (Komuro et al., 1996 [PubMed 8950184]).[supplied by OMIM].

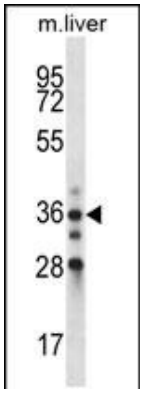
References

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Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010)
Jansen, T., et al. J. Mol. Cell. Cardiol. 49(2):186-195(2010)
Miralem, T., et al. J. Biol. Chem. 285(17):12551-12558(2010)
Goven, D., et al. PLoS ONE 5 (5), E10886 (2010) :

Images



Anti-BLVRA Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



BLVRA Antibody (C-term) (Cat. #AP14371b) western blot analysis in mouse liver 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'.