

BLVRA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14371b**Specification**

BLVRA Antibody (C-term) - Product Information

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

BLVRA Antibody (C-term) - 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.

BLVRA Antibody (C-term) - 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

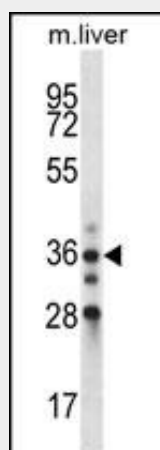
Tissue Location

Liver.

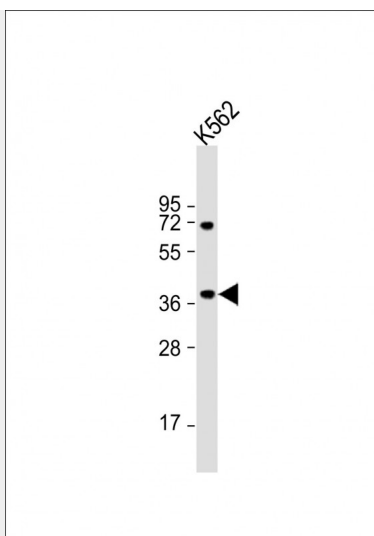
BLVRA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BLVRA Antibody (C-term) - Images

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).



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) - 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].

BLVRA Antibody (C-term) - References

Gibbs, P.E., et al. FASEB J. 24(9):3239-3254(2010)
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) :