

BLVRB Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20044c**Specification**

BLVRB Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P30043
Other Accession	NP_000704.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22119
Antigen Region	119-146

BLVRB Antibody (Center) - Additional Information**Gene ID** 645**Other Names**

Flavin reductase (NADPH), FR, Biliverdin reductase B, BVR-B, Biliverdin-IX beta-reductase, Green heme-binding protein, GHBP, NADPH-dependent diaphorase, NADPH-flavin reductase, FLR, BLVRB, FLR

Target/Specificity

This BLVRB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-146 amino acids from the Central region of human BLVRB.

Dilution

WB~~1:1000

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

BLVRB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BLVRB Antibody (Center) - Protein Information**Name** BLVRB

Synonyms FLR

Function Broad specificity oxidoreductase that catalyzes the NADPH- dependent reduction of a variety of flavins, such as riboflavin, FAD or FMN, biliverdins, methemoglobin and PQQ (pyrroloquinoline quinone). Contributes to heme catabolism and metabolizes linear tetrapyrroles. Can also reduce the complexed Fe(3+) iron to Fe(2+) in the presence of FMN and NADPH. In the liver, converts biliverdin to bilirubin.

Cellular Location

Cytoplasm.

Tissue Location

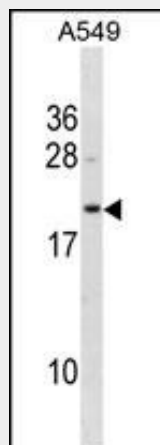
Predominantly expressed in liver and erythrocytes. At lower levels in heart, lung, adrenal gland and cerebrum

BLVRB Antibody (Center) - 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](#)

BLVRB Antibody (Center) - Images



BLVRB Antibody (Center) (Cat. #AP20044c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the BLVRB antibody detected the BLVRB protein (arrow).

BLVRB Antibody (Center) - Background

The final step in heme metabolism in mammals is catalyzed by the cytosolic biliverdin reductase enzymes A and B (EC 1.3.1.24).

BLVRB Antibody (Center) - References

Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) :
Smith, L.J., et al. Biochem. J. 411(3):475-484(2008)
Otterbein, L.E., et al. Trends Immunol. 24(8):449-455(2003)
Wang, J., et al. J. Biol. Chem. 278(22):20069-20076(2003)
Pereira, P.J., et al. Nat. Struct. Biol. 8(3):215-220(2001)