

BLVRB (aa38-49) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4094a**Specification**

BLVRB (aa38-49) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P30043
Other Accession	NP_000704.1 , 645
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	22119

BLVRB (aa38-49) Antibody (internal region) - Additional Information**Gene ID** 645**Other Names**

Flavin reductase (NADPH), FR, 1.5.1.30, Biliverdin reductase B, BVR-B, 1.3.1.24, Biliverdin-IX beta-reductase, Green heme-binding protein, GHBP, NADPH-dependent diaphorase, NADPH-flavin reductase, FLR, BLVRB, FLR

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BLVRB (aa38-49) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

BLVRB (aa38-49) Antibody (internal region) - 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 (aa38-49) Antibody (internal region) - 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 (aa38-49) Antibody (internal region) - Images

AF4093a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BLVRB (aa38-49) Antibody (internal region) - References

Computational and experimental studies on the catalytic mechanism of biliverdin-IXbeta reductase. Smith LJ, Browne S, Mulholland AJ, Mantle TJ. The Biochemical journal 2008 May 411 (3): 475-84. PMID: 18241201