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BLVRB Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF4093a

Specification

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

BLVRB Antibody (C-Term) - 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 (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 Cytomety
- Cell Culture

BLVRB Antibody (C-Term) - Images



AF4093a (0.3 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BLVRB Antibody (C-Term) - 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