

BLVRA Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14371b**Specification**

BLVRA Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P53004](#)**BLVRA Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 644**Other Names**

Biliverdin reductase A, BVR A, Biliverdin-IX alpha-reductase, BLVRA, BLVR, BVR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BLVRA Antibody (C-term) Blocking Peptide - Protein Information**Name** BLVRA ([HGNC:1062](#))**Function**

Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor (PubMed:8631357, PubMed:8424666, PubMed:7929092). 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:8631357, PubMed:8424666, PubMed:7929092). NADPH, however, is the probable reactant in biological systems (PubMed:7929092).

Cellular Location

Cytoplasm, cytosol

Tissue Location

Liver.

BLVRA Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BLVRA Antibody (C-term) Blocking Peptide - Images**BLVRA Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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) :