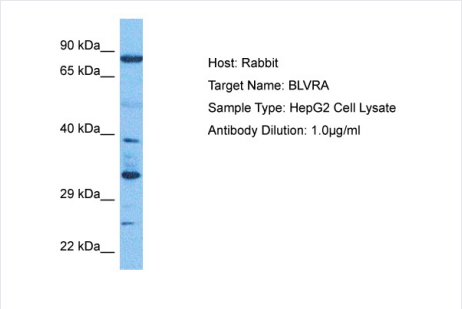
BLVRA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BLVRA, Polyclonal Antibody
Full Product Name	BLVRA Antibody - middle region
Product Gene Name	anti-BLVRA antibody
Product Synonym Gene Name	BVR; BLVR; BVRA
Immunogen Sequence	Synthetic peptide located within the following region: LFGELSLVSA TLEERKEDQY MKMTVCLETE KKSPLSWIEE KGPGLKRNRY
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	BLVRA peptide (MBS3245969) is used for blocking the activity of BLVRA antibody (MBS3221201)
Molecular Weight	32 kDa
OMIM	gene 614156
3D Structure	ModBase 3D Structure for P53004
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human BLVRA
Product Categories/Family for anti-BLVRA antibody	Polyclonal; Disease Related; Tissue Specific & Cell Marker
Applications Tested/Suitable for anti-BLVRA antibody	Western Blot (WB)
Related Product Information for anti-BLVRA antibody	The protein encoded by this gene belongs to the biliverdin reductase family, members of which catalyze the conversion of biliverdin to bilirubin in the presence of NADPH or NADH. Mutations in this gene are associated with hyperbiliverdinemia. Alternatively spliced transcript variants have been found for this gene.
Other Notes	Small volumes of anti-BLVRA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BLVRA purchase	MBS3221201 is an antibody targeting BLVRA. Also known as BLVRA Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BLVRA antibody
Host: RabbitTarget Name: BLVRASample Tissue: Human HepG2 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BLVRA. It may not necessarily be applicable to this product.

NCBI GI #	33589854
NCBI GeneID	644
NCBI Accession #	NP_000703.2
UniProt Primary Accession #	P53004
UniProt Related Accession #	P53004
GenBank Nucleotide #	NM_000712.3
NCBI Official Full Name	biliverdin reductase A
NCBI Official Synonym Full Names	biliverdin reductase A
NCBI Official Symbol	BLVRA
NCBI Official Synonym Symbols	BVR; BLVR; BVRA
UniProt Protein Name	Biliverdin reductase A
UniProt Synonym Protein Names	Biliverdin-IX alpha-reductase
Protein Family	Biliverdin reductase
UniProt Gene Name	BLVRA
UniProt Synonym Gene Names	BLVR; BVR; BVR A
UniProt Entry Name	BIEA_HUMAN
NCBI Protein Information	biliverdin reductase A

UniProt Comments for BLVRA	BVR: Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor. Monomer. Liver. Belongs to the Gfo/Idh/MocA family. Biliverdin reductase subfamily. Protein type: Oxidoreductase; Protein kinase, Ser/Thr (non-receptor); Kinase, protein; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; EC 1.3.1.24; ATYPICAL group; BLVRA family Chromosomal Location of Human Ortholog: 7p13 Cellular Component: cytosol Molecular Function: zinc ion binding; biliverdin reductase activity Biological Process: heme catabolic process; porphyrin metabolic process Disease: Hyperbiliverdinemia
Research Articles on BLVRA	**1.** Genetic polymorphisms of the UGT1A1 promoter, specifically the T-3279G phenobarbital-responsive enhancer module and (TA)7 dinucleotide repeat, as well as the intron and coding region variants of the OATP2, HMOX1, and BLVRA genes, were significantly higher among the cases than the controls.
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