

BLVRA Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant BLVRA.****Catalog # AT1302a****Specification**

BLVRA Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P53004
Other Accession	BC008456
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	33428

BLVRA Antibody (monoclonal) (M01) - Additional Information**Gene ID** 644**Other Names**

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

Target/Specificity

BLVRA (AAH08456, 1 a.a. ~ 296 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

BLVRA Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

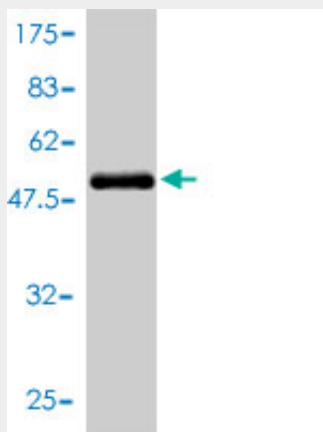
BLVRA Antibody (monoclonal) (M01) - Protocols

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

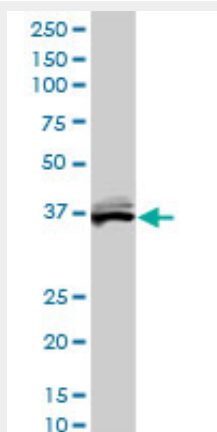
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

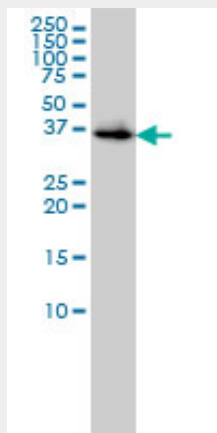
BLVRA Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (58.3 KDa) .

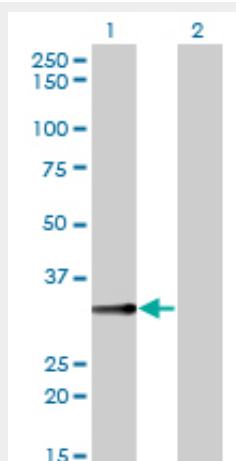


BLVRA monoclonal antibody (M01), clone 4G4-2B6. Western Blot analysis of BLVRA expression in HeLa ((Cat # AT1302a)



BLVRA monoclonal antibody (M01), clone 4G4-2B6 Western Blot analysis of BLVRA expression in

293 ((Cat # AT1302a)



Western Blot analysis of BLVRA expression in transfected 293T cell line by BLVRA monoclonal antibody (M01), clone 4G4-2B6.

Lane 1: BLVRA transfected lysate(33.4 KDa).

Lane 2: Non-transfected lysate.

BLVRA Antibody (monoclonal) (M01) - 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]).

BLVRA Antibody (monoclonal) (M01) - References

Induction of heme oxygenase-1, biliverdin reductase and H-ferritin in lung macrophage in smokers with primary spontaneous pneumothorax: role of HIF-1alpha. Goven D, et al. PLoS One, 2010 May 28. PMID 20526373. Common polymorphisms in ITGA2, PON1 and THBS2 are associated with coronary atherosclerosis in a candidate gene association study of the Chinese Han population. Wang Y, et al. J Hum Genet, 2010 Aug. PMID 20485444. Conversion of biliverdin to bilirubin by biliverdin reductase contributes to endothelial cell protection by heme oxygenase-1-evidence for direct and indirect antioxidant actions of bilirubin. Jansen T, et al. J Mol Cell Cardiol, 2010 Aug. PMID 20430037. Human biliverdin reductase suppresses Goodpasture antigen-binding protein (GPBP) kinase activity: the reductase regulates tumor necrosis factor-alpha-NF-kappaB-dependent GPBP expression. Miralem T, et al. J Biol Chem, 2010 Apr 23. PMID 20177069. Limited role for the bilirubin-biliverdin redox amplification cycle in the cellular antioxidant protection by biliverdin reductase. Maghzal GJ, et al. J Biol Chem, 2009 Oct 23. PMID 19690164.