

HBLD2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HBLD2.

Catalog # AT2324a

Specification

HBLD2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q9BUE6
Other Accession	BC002675
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	14179

HBLD2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 81689

Other Names

Iron-sulfur cluster assembly 1 homolog, mitochondrial, HESB-like domain-containing protein 2, Iron-sulfur assembly protein IscA, hIscA, ISCA1, HBLD2

Target/Specificity

HBLD2 (AAH02675, 1 a.a. ~ 129 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

HBLD2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

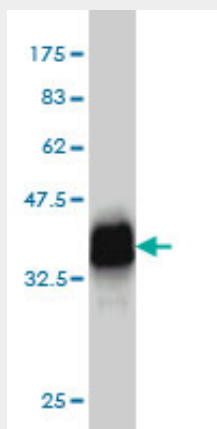
HBLD2 Antibody (monoclonal) (M01) - Protocols

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

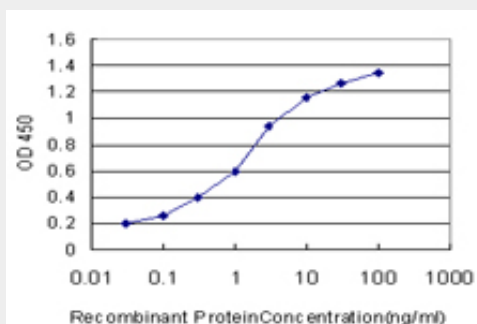
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

HBLD2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (39.93 kDa) .



Detection limit for recombinant GST tagged HBLD2 is approximately 0.03ng/ml as a capture antibody.

HBLD2 Antibody (monoclonal) (M01) - Background

ISCA1 is a mitochondrial protein involved in the biogenesis and assembly of iron-sulfur clusters, which play a role in electron-transfer reactions (Cozar-Castellano et al., 2004 [PubMed 15262227]).

HBLD2 Antibody (monoclonal) (M01) - References

Iron-binding activity of human iron-sulfur cluster assembly protein hIsca1. Lu J, et al. Biochem J, 2010 Apr 28. PMID 20302570. Human ISCA1 interacts with IOP1/NARFL and functions in both cytosolic and mitochondrial iron-sulfur protein biogenesis. Song D, et al. J Biol Chem, 2009 Dec 18. PMID 19864422. Discovery of genes essential for heme biosynthesis through large-scale gene expression analysis. Nilsson R, et al. Cell Metab, 2009 Aug. PMID 19656490. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. hIsca: a protein implicated in the biogenesis of iron-sulfur clusters. Cozar-Castellano I, et al. Biochim Biophys Acta, 2004 Aug 2. PMID 15262227.