10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HBLD2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HBLD2.
Catalog # AT2324a

Product Information

Application	WB, E
Primary Accession	Q9BUE6
Other Accession	BC002675
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E10
Calculated MW	14179

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 E~~N/A
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.

Background

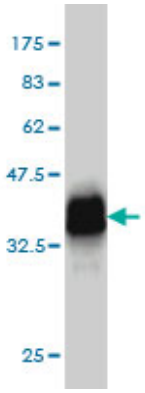
ISCA1 is a mitochondrial protein involved in the biogenesis and assembly of iron-sulfur clusters, which play a role in electron-transfer reactions (Cozar-Castellano et al., 2004 [PubMed 15262227]).

References

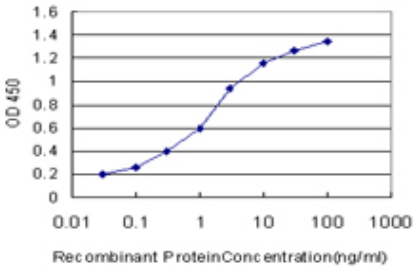
Iron-binding activity of human iron-sulfur cluster assembly protein hIscA1. Lu J, et al. Biochem J, 2010 Apr 28. PMID 20302570.Human ISCA1 interacts with IOP1/NARFL and functions in both cytosolic and mitochondrial iron-sulfur protein biogenesis. Song D, et al. J Biol Chem, 2009 Dec 18. PMID

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. C?zar-Castellano I, et al. Biochim Biophys Acta, 2004 Aug 2. PMID 15262227.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.