



Mouse anti-Human HEPH monoclonal antibody, clone 3E4 (CABT-B10393)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HEPH (NP_620074, 315 a.a. ~ 425 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3E4
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	TRGHHTDVANIFPATFVTAEMVPWEPGTWLISCQVNSHFRDGMQALYKVKSCSMAPPVDL LTGKVRQYFIEAHEIQWDYGPMGHDGSTGKNLREPGSISDKFFQKSSSRI*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the multicopper oxidase protein family. The encoded protein is involved in the transport of dietary iron from epithelial cells of the intestinal lumen into the
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circulatory system, and may be involved in copper transport and homeostasis. In mouse, defects in this gene can lead to severe microcytic anemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Keywords	HEPH; hephaestin; CPL;
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GENE INFORMATION

Entrez Gene ID	9843
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UniProt ID	Q9BQS7
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Pathway	Iron uptake and transport, organism-specific biosystem; Metal ion SLC transporters, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
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Function	copper ion binding; metal ion binding; oxidoreductase activity
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