



# 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

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

## BACKGROUND

<b>Introduction</b>	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]

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**Keywords** HEPH; hephaestin; CPL;

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## GENE INFORMATION

**Entrez Gene ID** [9843](#)

**UniProt ID** [Q9BQS7](#)

**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

**Function** copper ion binding; metal ion binding; oxidoreductase activity

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