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anti-Hephaestin antibody (AA 21-120) (AbBy Fluor® 680)



Go to Product page

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Quantity:	100 μL	
Target:	Hephaestin (HEPH)	
Binding Specificity:	AA 21-120	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Hephaestin antibody is conjugated to AbBy Fluor® 680	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Hephaestin	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse	
Predicted Reactivity:	Rat	
Purification:	Purified by Protein A.	

Target Details

Target:	Hephaestin (HEPH)
Alternative Name:	Hephaestin (HEPH Products)

Target Details

crucial for iron exiting intestinal enterocytes into the circulation. It mediates the movemer iron across the basolateral membrane in conjunction with ferroportin 1. This is an import link between iron and copper metabolism in mammallian systems, as copper deficiency is reduced hephaestin and reduced iron absorption resulting in anemia. Hephaestin can bim copper ions per monomer and is regulated by the homeobox transcription factor CDX2. Increased levels of iron leads to an increase in CDX2 expression and thus Hephaestin. Hephaestin is primarily detected in the intestine, but is also expressed in colon, breast, bo trabecural cells and fibroblasts. Gene ID: 9843 Pathways: Transition Metal Ion Homeostasis Application Details Application Notes: IF(IHC-P) 1:50-200			
multicopper oxidase family of proteins. Hephaestin, a copper-dependant ferroxidase protectucial for iron exiting intestinal enterocytes into the circulation. It mediates the movemer iron across the basolateral membrane in conjunction with ferroportin 1. This is an importable into the disculation of the properties of the properties and reduced iron absorption resulting in anemia. Hephaestin can bine copper fors per monomer and is regulated by the homeobox transcription factor CDX2. Increased levels of iron leads to an increase in CDX2 expression and thus Hephaestin. Hephaestin is primarily detected in the intestine, but is also expressed in colon, breast, but trabecural cells and fibroblasts. Gene ID. 9843 Pathways: Transition Metal Ion Homeostasis Application Details Application Notes: IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 Restrictions: For Research Use only Handling Format: Liquid Concentration: 1 µg/µL Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclination S0 % Glycerol. Preservative: ProClin This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which sho handled by trained staff only. Storage: -20 °C Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	Background:	Synonyms: CPL, HEPH, HEPH_HUMAN, Hephaestin.	
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IF(IHC-F) 1:50-200 Restrictions: For Research Use only Handling Format: Liquid Concentration: 1 μg/μL Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin3 (50 % Glycerol. Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which sho handled by trained staff only. Storage: -20 °C Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	Application Details		
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50 % Glycerol. Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which show handled by trained staff only. Storage: -20 °C Storage Comment: Store at -20 °C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	Concentration:	1 μg/μL	
Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which show handled by trained staff only. Storage: -20 °C Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.		handled by trained staff only.	
	Storage:	-20 °C	
Expiry Date: 12 months	Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
	Expiry Date:	12 months	