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anti-Hephaestin antibody (AA 21-120) (Alexa Fluor 750)



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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 Alexa Fluor 750	
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 movement iron across the basolateral membrane in conjunction with ferroportin 1. This is an important link between iron and copper metabolism in mammalian systems, as copper deficiency lea reduced hephaestin and reduced iron absorption resulting in anemia. Hephaestin can bind a 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, bore 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 protein crucial for iron exiting intestinal enterocytes into the circulation. It mediates the movement iron across the basolateral membrane in conjunction with ferroportin 1. This is an important link between iron and copper metabolism in mammalian systems, as copper deficiency lea reduced hephaestin and reduced iron absorption resulting in anemia. Hephaestin can bind a 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, bond trabecural cells and fibroblasts. Gene ID: 9843 Pathways: Transition Metal Ion Homeostasis Application Details Application Notes: IF(IHC-P) 1:50-200 IF(IHC-P) 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 % Proclin300 50 % Glycerol. Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should 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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Hephaestin is primarily detected in the intestine, but is also expressed in colon, breast, bone trabecural cells and fibroblasts. Gene ID: 9843 Pathways: Transition Metal Ion Homeostasis Application Details Application Notes: IF(IHC-P) 1:50-200		copper ions per monomer and is regulated by the homeobox transcription factor CDX2.
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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 % Proclin300 50 % Glycerol. Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should 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 should 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
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should 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
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should handled by trained staff only. Storage: -20 °C Storage Comment: Store at -20 °C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.		50 % Glycerol.
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	Storage:	-20 °C
Expiry Date: 12 months	Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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