BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Hepcidin-25

Hepcidin-25 is a 25-residue peptide synthesized in the liver. This is the bioactive form of hepcidin, a key regulator of iron homeostasis. It acts through downregulation of the cellular iron exporter ferroportin, which is expressed on enterocytes, macrophages and hepatocytes. Hepcidin-25 production is upregulated by inflammation as well as iron overload, leading to anemia through interference with the body's intestinal iron absorption and its utilization of iron. Hepcidin is also a small defensin-like peptide with anti-microbial activity, which is secreted into the urine.

This antibody was generated by immunization of rabbits with Hepcidin-25 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4866 (Lot A09277)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Mouse
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Asp-Thr-Asn-Phe-Pro-Ile-Cys-Leu-Phe-Cys-Cys-Lys-Cys-Cys-Lys-Asn-Ser-Ser-Cys-Gly-Leu-Cys-Cys-Ile-Thr-OH coupled to a carrier protein.
Protein database:	mouse-Q9EQ21

Cross-Reactivity:

PEPTIDE:	%:
Hepcidin-25 (mouse)	100
Hepcidin-25 (rat)	0

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Crossreactivity taken from Enzyme immunoassay application.

Applications:

Tested in ELISA against Hepcidin-25 and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:
Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see **www.bma.ch** for protocols and general information

Related Products:

S-1482: ELISA, high sensitivity for extracted rat samples
S-1337-:ELISA, extraction-free for serum and plasma sample
S-1465: ELISA, high sensitivity for extracted mouse samples
S-1328: ELISA, high sensitivity for extracted human samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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