

Anti-Hemojuvelin Antibody (7C766)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7C766
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Hemojuvelin / HFE2 Protein (TMPY-02833)
Antigen Species:	Human
Synonyms:	hemochromatosis type 2 (juvenile)

Research Background

Hemojuvelin, also known as HFE2, is a membrane-bound and soluble protein that belongs to the repulsive guidance molecule (RGM) family. It is known that RGMs function through Neogenin, a homolog of the Netrin receptor deleted in colon cancer. In mammals, the RGM family consists of three glycoproteins that have discrete expression patterns and functions (RGM-A, RGM-B, and RGM-C). Hemojuvelin is expressed in adult and fetal liver, heart, and skeletal muscle. Hemojuvelin acts as a bone morphogenetic protein (BMP) coreceptor. Enhancement of BMP signaling regulates hepcidin (HAMP) expression and iron metabolism. It plays a key role in iron metabolism. Hemojuvelin represents the cellular receptor for hepcidin. It may be a component of the signaling pathway that activates hepcidin or it may act as a modulator of hepcidin expression. Defects in hemojuvelin are the cause of hemochromatosis type 2A, also known as juvenile hemochromatosis (JH).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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