

F132B Rabbit Polyclonal Antibody

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Catalog # AP93435

Product Information

Application	WB
Primary Accession	Q4G0M1
Reactivity	Human, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	37279

Additional Information

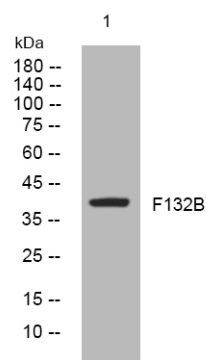
Gene ID	151176
Other Names	Erythroferrone {ECO:0000312 HGNC:HGNC:26727}, Complement C1q tumor necrosis factor-related protein 15, Myonectin, ERFE (HGNC:26727)
Dilution	WB~~1:1000
Storage Conditions	-20°C

Protein Information

Name	ERFE (HGNC:26727)
Function	Iron-regulatory hormone that acts as an erythroid regulator after hemorrhage: produced by erythroblasts following blood loss and mediates suppression of hepcidin (HAMP) expression in the liver, thereby promoting increased iron absorption and mobilization from stores (PubMed: 24880340 , PubMed: 30097509 , PubMed: 31800957). Promotes lipid uptake into adipocytes and hepatocytes via transcriptional up- regulation of genes involved in fatty acid uptake (By similarity). Inhibits apoptosis and inflammatory response in cardiomyocytes via promotion of sphingosine-1-phosphate (S1P) and cAMP-dependent activation of AKT signaling (By similarity). Inhibits autophagy induced by nutrient deficiency in hepatocytes via promoting the phosphorylation of IRS1, AKT, and MTOR, and thereby subsequent activation of the AKT- MTOR signaling pathway (By similarity). Negatively regulates the differentiation of osteoblasts, potentially via sequestering BMP2, and thereby inhibits the activation of SMAD signaling (By similarity). The reduction in BMP2 signaling in osteoblasts also results in an increase in expression of the osteoclastogenesis-promoting factors TNFSF11/RANKL and SOST, thereby indirectly promotes bone resorption (By similarity).
Cellular Location	Secreted {ECO:0000250 UniProtKB:Q6PGN1}. Note=Secreted when

glycosylated at Asn-243 and Asn-295 (By similarity) Hydroxylation promotes secretion (By similarity) {ECO:0000250|UniProtKB:Q6PGN1}

Images



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4°over night

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.