



F132B Rabbit Polyclonal Antibody

F132B Rabbit Polyclonal Antibody 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

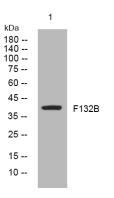
hemorrhage: produced by erythroblasts following blood loss and mediates suppression of hepcidin (HAMP) expression in the liver, thereby promoting increased iron absorption and mobilization from stores (PubMed:24880340, PubMed:30097509, PubMed:31800957). Promotes lipid uptake into adipocytes and hepatocytes 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

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'.