



PBEF1 Mouse Monoclonal Antibody

E10-20188

Background: PBEF1, nicotinamide phosphoribosyltransferase. This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It also activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity.

Catalog Number: E10-20188

Amount: 100 μ g/100 μ l

Clone Number: 1D3A12

Species: Mouse IgG1

Aliases: VF; PBEF; PBEF1; VISFATIN; NAMPT

Entrez Gene: 10135

Immunogen: Purified recombinant fragment of PBEF1 (aa338-479) expressed in E. Coli.

Storage: Store at 4 $^{\circ}$ C. -20 $^{\circ}$ C long term storage, store

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB. 1/500 - 1/2000. ELISA. Propose dilution 1/10000.

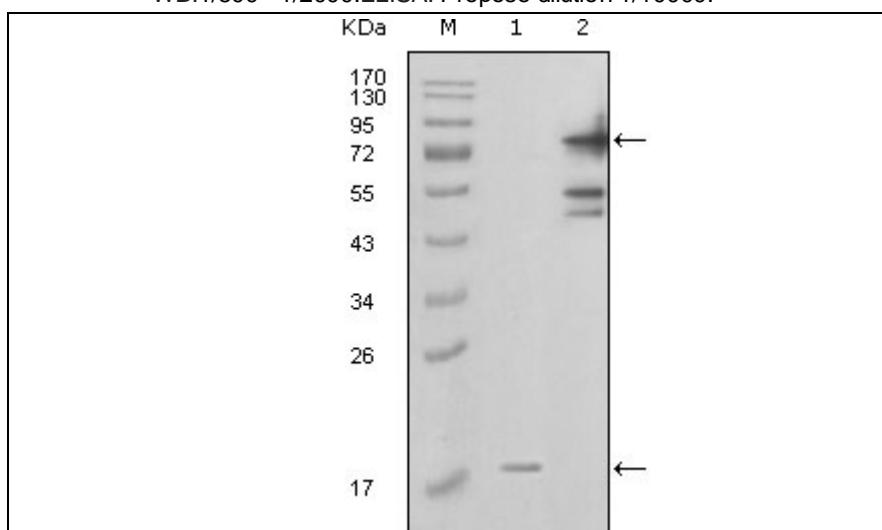


Figure 1. Western blot analysis using PBEF1 mouse mAb against truncated PBEF1-His recombinant protein (1) and full-length GFP-PBEF1(aa1-491) transfected COS7 cell lysate (2).