



Product Information Sheet

Polyclonal Anti-Activating Transcription Factor 6, ATF6 (Magnetic Bead Conjugate)

Catalogue No. PA1011-M

Immunogen

Lot No. 08A01

A synthetic peptide corresponding to a sequence mapping near the N-terminal of human ATF6, different from the related mouse sequence by two amino acids.

Ig type: rabbit IgG

Purity

Immunogen affinity purified.

Size: 100µg/vial

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

ImmunoPrecipitation

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

ATF6 ,a member of the leucine zipper protein family ,is an endoplasmic reticulum (ER) stress-regulated transmembrane transcription factor that activates the transcription of ER molecules. ATF6 gene is mapped to chromosome 1q23.3. ATF6 can constitutively induce the promoter of glucose-regulated protein (grp) genes through activation of the endoplasmic reticulum (ER) stress element (ERSE).

REFERENCE

1. Thameem, F.; Farook, V. S.; Bogardus, C.; Prochazka, M. : Association of amino acid variants in the activating transcription factor 6 gene (ATF6) on 1q21-q23 with type 2 diabetes in Pima Indians. *Diabetes* 55: 839-842, 2006.
2. Li, M.; Baumeister, P.; Roy, B.; Phan, T.; Foti, D.; Luo, S.; Lee, A. S. : ATF6 as a transcription activator of the endoplasmic reticulum stress element: thapsigargin stress-induced changes and synergistic interactions with NF-Y and YY1. *Molec. Cell. Biol.* 20: 5096-5106, 2000.

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