

Datasheet

LITAF monoclonal antibody, clone AT1F9

Catalog Number: MAB5642

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against full length recombinant LITAF.

Clone Name: AT1F9

Immunogen: Recombinant protein corresponding to full length human LITAF.

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9516

Gene Symbol: LITAF

Gene Alias: FLJ38636, MGC116698, MGC116700, MGC116701, MGC125274, MGC125275, MGC125276, PIG7, SIMPLE, TP53I7

Gene Summary: Lipopolysaccharide is a potent stimulator of monocytes and macrophages, causing secretion of tumor necrosis factor-alpha (TNF-alpha) and

other inflammatory mediators. This gene encodes lipopolysaccharide-induced TNF-alpha factor, which is a DNA-binding protein and can mediate the TNF-alpha expression by direct binding to the promoter region of the TNF-alpha gene. The transcription of this gene is induced by tumor suppressor p53 and has been implicated in the p53-induced apoptotic pathway. Mutations in this gene cause Charcot-Marie-Tooth disease type 1C (CMT1C) and may be involved in the carcinogenesis of extramammary Paget's disease (EMPD). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

References:

1. Litaf/Simple protein is increased in intestinal tissues from patients with CD and UC, but is unlikely to function as a transcription factor. Huang Y, Bennett CL. Inflamm Bowel Dis. 2007 Jan;13(1):120-1.
2. LPS induces the interaction of a transcription factor, LPS-induced TNF-alpha factor, and STAT6(B) with effects on multiple cytokines. Tang X, Marciano DL, Leeman SE, Amar S. Proc Natl Acad Sci U S A. 2005 Apr 5;102(14):5132-7. Epub 2005 Mar 25.
3. Identification and functional characterization of a novel binding site on TNF-alpha promoter. Tang X, Fenton MJ, Amar S. Proc Natl Acad Sci U S A. 2003 Apr 1;100(7):4096-101. Epub 2003 Mar 24.