BT LAB
Bioassay Technology Laboratory
Optimize Your Research

FAT10 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03172
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from the Internal region of human FAT10.
Mol wt	18457
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	FAT10 Antibody
Synonyms	UBD; FAT10; Ubiquitin D; Diubiquitin; Ubiquitin-like protein FAT10

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

FAT10, also designated Ubiquitin D or Diubiquitin, is a 165 amino acid protein encoded in the major histocompatibility complex (MHC) that consists of two domains which share significant homology with ubiquitin. Each domain contains two cysteines, along with a free C-terminal diglycine motif required for FAT10 conjugate formation. FAT10 is inducible by interferon-g and tumor necrosis factor a (TNF). The FAT10 protein interacts with MAD2, a component of the spindle checkpoint, and plays a role in antigen presentation, cytokine response, apoptosis and mitosis. It may also regulate cell growth during dendritic cell or B cell activation and development. FAT10 mRNA is expressed mainly in some dendritic cells and lymphoblastoid lines and in other specific cells subsequent to interferon-g induction. The human FAT10 gene, designated UBD, maps to chromosome 6p21. and is overexpressed in the tumors of various epithelial cancers.

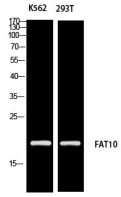
Recommended Dilution

WB: 1: 500 - 1: 2000

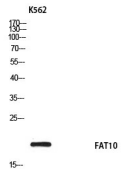
ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of K562 293T using FAT10 antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Western blot analysis of K562 using FAT10 antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year

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