

## FAT10 Polyclonal Antibody

### Description

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

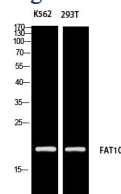
### Recommended Dilution

WB: 1: 500 - 1: 2000

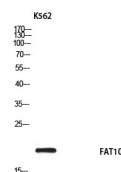
ELISA: 1: 10000

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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