



## Mouse Monoclonal Antibody **ATF6A** conjugated to Sepharose Beads

CatalogNo: **ANT8109-S**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

### **ATF6A (ANT0077R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IF, IP, ELISA

#### Applications

#### MW

- 75kD (Calculated)
  - IgG, Kappa
- 100kD (Observed)

#### Isotype

## Recommended Dilution Ratios

IP

### Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0077R

### Immunogen Information

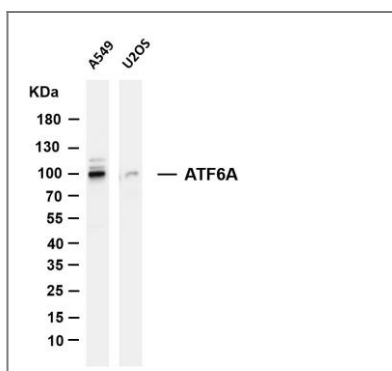
**Specificity** Endogenous

## Target Information

Gene name ATF6  
Protein Name ATF6A

	Organism	Gene ID	UniProt ID
	Human	<a href="#">22926;</a>	<a href="#">P18850;</a>
Cellular Localization	Cytoplasm		
Tissue specificity	Ubiquitous.		
Function	<p>Domain:The basic domain functions as a nuclear localization signal.,Domain:The basic leucine-zipper domain is sufficient for association with the NF-Y trimer and binding to ERSE.,Function:Transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Binds DNA on the 5'-CCAC[GA]-3'half of the ER stress response element (ERSE) (5'-CCAAT-N(9)-CCAC[GA]-3') and of ERSE II (5'ATTGG-N-CCACG-3'). Binding to ERSE requires binding of NF-Y to ERSE. Could also be involved in activation of transcription by the serum response factor.,ANTM:During unfolded protein response an approximative 50 kDa fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage seems to be performed sequentially by site-1 and site-2 proteases.,PTM:N-glycosylated.,PTM:Phosphorylated in vitro by MAPK14/P38MAPK.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subcellular location:Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.,subunit:Homodimer and heterodimer with ATF6-beta. The dimer interacts with the nuclear transcription factor Y (NF-Y) trimer through direct binding to NF-Y subunit C (NF-YC). Interacts also with the transcription factors GTF2I, YY1 and SRF.,tissue specificity:Ubiquitous.,</p>		

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ATF6A (ANT0077R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: U2OS Predicted band size: 75Da Observed band size: 100kDa