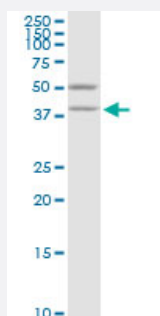


# VAT1 monoclonal antibody (M07), clone 3E9

Catalog # H00010493-M07

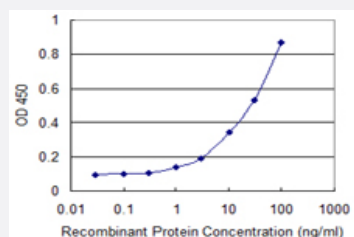
Size 100 ug

## Applications



### Western Blot (Cell lysate)

VAT1 monoclonal antibody (M07), clone 3E9. Western Blot analysis of VAT1 expression in MCF-7 (Cat # L046V1).



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VAT1 is 0.3 ng/ml as a capture antibody.

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant VAT1.

### Immunogen

VAT1 (NP\_006364, 294 a.a. ~ 392 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

PKRNLMALARTWWNQFSVTALQLLQANRAVCGFHLGYLDGEVELVSGVVARLLALYNQGHKPHI  
DSVWPFEEKVADAMKQMKEKKNVGKVLLVPGPEKE

### Host

Mouse

### Reactivity

Human

**Interspecies Antigen Sequence**

Mouse (87); Rat (87)

**Isotype**

IgG2a Kappa

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

VAT1 monoclonal antibody (M07), clone 3E9. Western Blot analysis of VAT1 expression in MCF-7 (Cat # L046V1 ).

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VAT1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — VAT1

**Entrez GeneID**[10493](#)**GeneBank Accession#**[NM\\_006373](#)**Protein Accession#**[NP\\_006364](#)**Gene Name**

VAT1

**Gene Alias**

FLJ20230, VATI

**Gene Description**

vesicle amine transport protein 1 homolog (T. californica)

**Omim ID**[604631](#)**Gene Ontology**[Hyperlink](#)

**Gene Summary**

Synaptic vesicles are responsible for regulating the storage and release of neurotransmitters in the nerve terminal. The protein encoded by this gene is an abundant integral membrane protein of cholinergic synaptic vesicles and is thought to be involved in vesicular transport. It belongs to the quinone oxidoreductase subfamily of zinc-containing alcohol dehydrogenase proteins. [provided by RefSeq]

**Other Designations**

membrane protein of cholinergic synaptic vesicles|synaptic vesicle membrane protein VAT-1 homolog|vesicle amine transport protein 1