

**Research Use Only. Not for  
diagnostic or therapeutic use.**

Storage: For long-term storage  
keep aliquots at -20°C. (Store no  
longer than 12 months at 4°C).  
Minimize freezing and thawing.

## EB06558 - Goat Anti-VMAT2 / SLC18A2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** solute carrier family 18 (vesicular monoamine), member 2, VAT2, SVMT, SVAT, SLC18A2, VMAT2

**Official Symbol:** SLC18A2

**Accession Number(s):** NP\_003045.2

**Human GeneID(s):** [6571](#)

**Non-Human GeneID(s):** 214084 (mouse), 25549 (rat)

### Immunogen

Peptide with sequence C-SYPIGEDEESESD, from the C Terminus of the protein sequence according to NP\_003045.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** A faint band of appr. 50kDa band observed in Human Placenta lysates (calculated MW of 55.7kDa according to NP\_003045). Recommended concentration: 0.3-1.0 µg/ml.

**IHC:** In paraffin embedded Human Adrenal Gland shows cytoplasm staining of some epithelial cells in the medula. Recommended concentration, 2-4µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

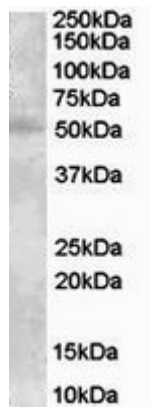
### Background Reference

Erickson JD, Eiden LE, Hoffman BJ.

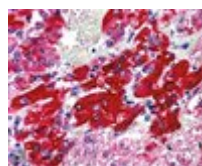
Expression cloning of a reserpine-sensitive vesicular monoamine transporter.

Proc Natl Acad Sci U S A. 1992 Nov 15;89(22):10993-7.

**PMID:** 1438304



EB06558 (0.3 $\mu$ g/ml) staining of Human Placenta lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06558 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.