For research purposes only, not for human use

Product Data Sheet

Anti-VAT1 Antibody

Catalog #	Source	Reactivity	Applications
CQA6393	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to VAT1
Immunogen	KLH-conjugated synthetic peptide of human VAT1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of VAT1 protein
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)
Gene Symbol	VAT1
Alternative Names	Synaptic vesicle membrane protein VAT-1 homolog
Entrez Gene	10493 (Human); 26949 (Mouse); 287721 (Rat)
SwissProt	Q99536 (Human); Q62465 (Mouse); Q3MIE4 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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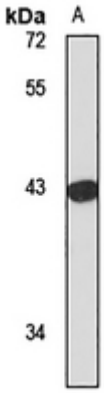
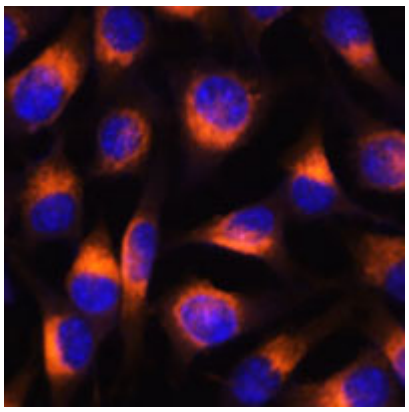


Western blot analysis of VAT1 expression in K562 (A) whole cell lysates. (Predicted band size: 28; 34; 41 kD; Observed band size: 42 kD)



Immunofluorescent analysis of VAT1 staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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