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Datasheet for ABIN2784806
anti-VAT1 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	VAT1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Horse, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VAT1
Sequence:	PPAPGPGQLT LRLRACGLNF ADLMARQGLY DRLPPLPVTP GMEGAGVVIA
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 93%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against VAT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	VAT1
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Target Details

Alternative Name:	VAT1 (VAT1 Products)
Background:	<p>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.</p> <p>Alias Symbols: FLJ20230, VATI</p> <p>Protein Interaction Partner: UBC, TP53, SETSIP, PLIN3, MVP, TTC1, S100A13, PFKP, NCBP1, GARS, PARK2, ATP4A, ZFYVE21, WDR12, WDR74, NRAS, CDK2, H2AFX, PHLPP2,</p> <p>Protein Size: 393</p>
Molecular Weight:	42 kDa
Gene ID:	10493
NCBI Accession:	NM_006373 , NP_006364
UniProt:	Q99536

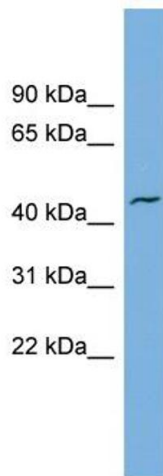
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 393 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

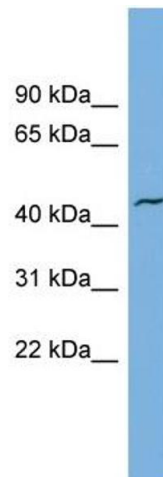


Western Blotting

Image 1. WB Suggested Anti-VAT1 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate



Western Blotting

Image 2. WB Suggested Anti-VAT1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate

VAT1 is supported by BioGPS gene expression data to be expressed in Jurkat