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Datasheet for ABIN2781676  
**anti-ChT antibody (Middle Region)**

1 Image

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SLC5A7
Sequence:	DDNGIYNQKF PFKTLAMVTS FLTNICISYL AKYLFESGTL PPKLDVFDVAV
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against SLC5A7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ChT
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## Target Details

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Alternative Name: SLC5A7 ([ChT Products](#))

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Background: Choline is a direct precursor of acetylcholine (ACh), a neurotransmitter of the central and peripheral nervous system that regulates a variety of autonomic, cognitive, and motor functions. SLC5A7 is a Na(+)- and Cl(-)- dependent high-affinity transporter that mediates the uptake of choline for acetylcholine synthesis in cholinergic neurons. Choline is a direct precursor of acetylcholine (ACh), a neurotransmitter of the central and peripheral nervous system that regulates a variety of autonomic, cognitive, and motor functions. SLC5A7 is a Na(+)- and Cl(-)- dependent high-affinity transporter that mediates the uptake of choline for acetylcholine synthesis in cholinergic neurons (Apparsundaram et al., 2000 [PubMed 11027560]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.  
Alias Symbols: CHT, CHT1, MGC126299, MGC126300, hCHT  
Protein Interaction Partner: UBC, NEDD4, PAWR,  
Protein Size: 580

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Molecular Weight: 63 kDa

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Gene ID: 60482

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NCBI Accession: [NM\\_021815](#), [NP\\_068587](#)

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UniProt: [Q9GZV3](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 580 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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## Handling

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should be handled by trained staff only.

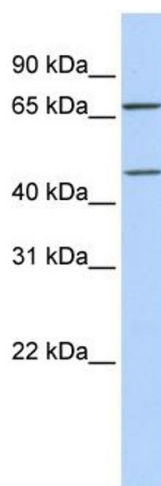
Handling Advice: Avoid repeated freeze-thaw cycles.

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.

## Validation report #100008 for Western Blotting (WB)

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### Western Blotting

**Image 1.** WB Suggested Anti-SLC5A7 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 721\_B cell lysate