



Datasheet for ABIN654537
anti-CARNS1 antibody (N-Term)



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2 Images

Overview

Quantity:	400 µL
Target:	CARNS1
Binding Specificity:	AA 239-268, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARNS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ATPGD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 239-268 amino acids from the N-terminal region of human ATPGD1.
Clone:	RB27844
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CARNS1
Alternative Name:	ATPGD1 (CARNS1 Products)
Background:	CARNS1 (EC 6.3.2.11), a member of the ATP-grasp family of ATPases, catalyzes the formation

Target Details

of carnosine (beta-alanyl-L-histidine) and homocarnosine (gamma-aminobutyryl-L-histidine), which are found mainly in skeletal muscle and the central nervous system, respectively (Drozak et al., 2010 [PubMed 20097752]).

Molecular Weight: 88484

Gene ID: 57571

NCBI Accession: [NP_001159694](#), [NP_065862](#)

UniProt: [A5YM72](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

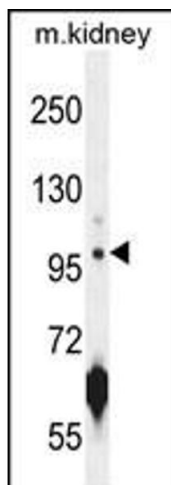
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ATPGD1 antibody (N-term) (ABIN654537 and ABIN2844255) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATPGD1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. ATPGD1 Antibody (N-term) (ABIN654537 and ABIN2844255) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the ATPGD1 antibody detected the ATPGD1 protein (arrow).