Datasheet for ABIN951047

anti-CARNS1 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	CARNS1
Binding Specificity:	AA 246-276, 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)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 246-276 amino acids from the N-terminal region of human ATPGD1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CARNS1.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CARNS1

Target Details

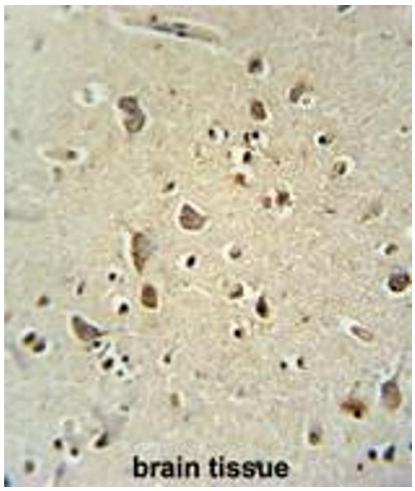
Alternative Name:	CARNS1 / ATPGD1 (CARNS1 Products)
Background:	CARNS1 (EC 6.3.2.11), a member of the ATP-grasp family of ATPases, catalyzes the formation of carnosine (beta-alanyl-L-histidine) and homocarnosine (gamma-aminobutyryl-L-histidine), which are found mainly in skeletal muscle and the central nervous system, respectively (Drozak et al., 2010 [PubMed 20097752]).Synonyms: ATP-grasp domain-containing protein 1, Carnosine synthase 1, KIAA1394
Gene ID:	57571
NCBI Accession:	NP_001159694

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

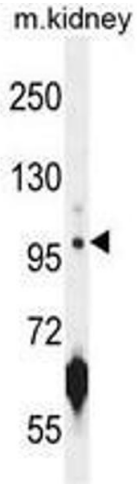
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ATPGD1 antibody (N-term) 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) western blot analysis in mouse kidney tissue lysates (35µg/lane).This demonstrates the ATPGD1 antibody detected the ATPGD1 protein (arrow).