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NAT8L antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12992

Product Information

Application	WB
Primary Accession	Q8N9F0
Other Accession	NM_178557, NP_848652
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32837

Additional Information

Gene ID	339983
Alias Symbol	CML3, FLJ37478, MGC117272, NAT8-LIKE, NACED
Other Names	N-acetylaspartate synthetase, NAA synthetase, 2.3.1.17, Camello-like protein 3, N-acetyltransferase 8-like protein, NAT8L, CML3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-NAT8L antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	NAT8L antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NAT8L (HGNC:26742)
Synonyms	CML3
Function	Catalyzes the synthesis of N-acetylaspartate acid (NAA) from L-aspartate and acetyl-CoA (PubMed:19524112, PubMed:19807691, PubMed:20385109). Promotes dopamine uptake by regulating TNF expression (By similarity). Attenuates methamphetamine-induced inhibition of dopamine uptake (PubMed:20385109).
Cellular Location	Cytoplasm. Microsome membrane {ECO:0000250|UniProtKB:D3ZVU9}; Single-pass membrane protein. Mitochondrion membrane; Single-pass

membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q3UGX3}; Single-pass membrane protein. Note=Its enzymatic activity contribution is quantitatively larger in mitochondrial compartment than in extramitochondrial compartment.

Tissue Location Expressed in brain..

References

Hillier L.W.,et al.Nature 434:724-731(2005).
Brandenberger R.,et al.Nat. Biotechnol. 22:707-716(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Popsueva A.E.,et al.Dev. Biol. 234:483-496(2001).
Arun P.,et al.Neurochem. Int. 55:219-225(2009).

Images



WB Suggested Anti-NAT8L Antibody Titration: 1.0 µg/ml
Positive Control: HepG2 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.