

**NAT8L antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12992****Specification**

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**NAT8L antibody - C-terminal region - Product Information**

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Application       | WB                                                                      |
| Primary Accession | <a href="#">Q8N9F0</a>                                                  |
| Other Accession   | <a href="#">NM_178557</a> , <a href="#">NP_848652</a>                   |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog          |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                                  |
| Clonality         | Polyclonal                                                              |
| Calculated MW     | 15kDa KDa                                                               |

**NAT8L antibody - C-terminal region - 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.

**NAT8L antibody - C-terminal region - Protein Information****Name** NAT8L ([HGNC:26742](#))**Synonyms** CML3**Function**

Catalyzes the synthesis of N-acetylaspartate acid (NAA) from L-aspartate and acetyl-CoA (PubMed:&lt;a href="http://www.uniprot.org/citations/19524112" target="\_blank"&gt;19524112&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/19807691" target="\_blank"&gt;19807691&lt;/a&gt;),

PubMed:<a href="http://www.uniprot.org/citations/20385109" target="\_blank">20385109</a>). Promotes dopamine uptake by regulating TNF-alpha expression (By similarity). Attenuates methamphetamine-induced inhibition of dopamine uptake (PubMed:<a href="http://www.uniprot.org/citations/20385109" target="\_blank">20385109</a>).

#### 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

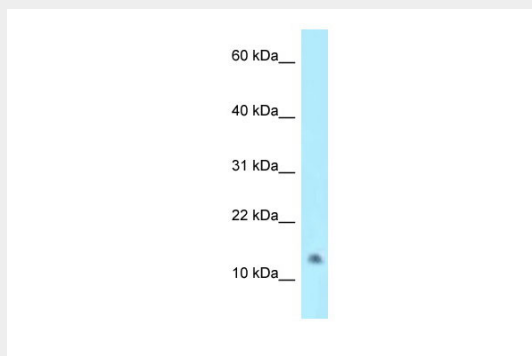
Expressed in brain..

### NAT8L antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NAT8L antibody - C-terminal region - Images



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

### NAT8L antibody - C-terminal region - 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).