

Datasheet for ABIN7602241  
**anti-METRNL antibody (AA 66-311)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	METRNL
Binding Specificity:	AA 66-311
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This METRNL antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

## Product Details

Purpose:	Anti-METRNL Antibody Picoband®
Immunogen:	E.coli-derived human METRNL recombinant protein (Position: K66-D311). Human METRNL shares 78.5% and 79.3% amino acid (aa) sequence identity with mouse and rat METRNL, respectively.
Characteristics:	Anti-METRNL Antibody Picoband® (ABIN7602241). Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	METRNL
Alternative Name:	METRNL ( <a href="#">METRNL Products</a> )
Background:	<p>Meteorin-like/Meteorin-Beta (Metrl)/IL-41, also known as subfatin and cometin, is a small (~27 kDa) secreted cytokine, protein encoded by a gene called meteorin-like (METRNL).</p> <p>Meteorin-like protein (METRNL) is a 311 amino acid (aa) protein that shows 45 % homology with Meteorin (in mouse). Meteorin itself is a secreted 30 kDa protein that is expressed in glial and neuronal cells and their precursors during development and in the adult. In the adult Meteorin is primarily expressed by astrocytes. Meteorin promotes neurite outgrowth, glial cell differentiation, and neuronal survival following excitotoxic injury. It also inhibits sprouting angiogenesis and promotes blood vessel maturation. Mouse Meteorin?like protein is synthesized with a 45 amino acid (aa) signal peptide and is selectively expressed in the otic vesicle during inner ear development. Mature mouse Meteorin?like protein shares 79 % and 98 % aa sequence identity with human and rat Meteorin?like protein, respectively. Alternate splicing generates an additional isoform that lacks the N?terminal 82 amino acids including the signal peptide. The promoter region of the METRNL gene contains a recognition site for the Pax2, Pax5, and Pax8 transcription factors, and Pax2 binds specifically to this region. METRNL is the only gene found within the terminus of the human chromosome 17 q?arm which can be deleted in the rare Ring 17 syndrome.</p>
Molecular Weight:	34 kDa
Gene ID:	284207
UniProt:	<a href="#">Q641Q3</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 2/24/2015. 2. Li, Z.-Y., Zheng, S.-L., Wang, P., Xu, T.-Y., Guan, Y.-F., Zhang, Y.-J., Miao, C.-Y. Subfatin is a novel adipokine and unlike meteorin in adipose and brain expression. CNS Neurosci. Ther. 20: 344-354, 2014. 3. Rao, R. R., Long, J. Z., White, J. P., Svensson, K. J., Lou, J., Lokurkar, I., Jedrychowski, M. P., Ruas, J. L., Wrann, C. D., Lo, J. C., Camera, D. M., Lachey, J., Gygi, S., Seehra, J., Hawley, J. A., Spiegelman, B. M. Meteorin-like is a hormone that regulates immune-adipose interactions to increase beige fat thermogenesis. Cell 157: 1279-1291, 2014.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.