

Nur für Forschungszwecke

# NMT1 Monoklonaler Antikörper

Katalog-Nr.:67984-1-Ig



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67984-1-Ig	<b>GenBank-Zugangsnummer:</b> BC006569	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml von4836 Nanodrop;	<b>GeneID (NCBI):</b> N-myristoyltransferase 1	<b>CloneNo.:</b> 2D9B9
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> N-myristoyltransferase 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 496 aa, 57 kDa	
<b>Immunogen Katalognummer:</b> AG20541	<b>Beobachtete Masse:</b> 50-60 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : LNCaP-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, L02-Zellen, NIH/3T3-Zellen, PC-3-Zellen, SKOV-3-Zellen

IHC : humanes Mammakarzinomgewebe, humanes Leberkarzinomgewebe

## Hintergrundinformationen

NMT1 is a N-myristoyltransferase responsible for the transfer of myristate from CoA to an amino-terminal glycine of many eukaryotic proteins, which facilitates the targeting of proteins to membrane surfaces and is essential for viability of the organism. Insertional mutagenesis of the Nmt1 gene in *Saccharomyces cerevisiae* causes recessive lethality. Humans and mice possess two distinct but structurally similar enzymes, NMT1 and NMT2, ubiquitously expressed in most human and mouse tissues. Western analysis revealed that there are 4 isoforms of NMT1 with apparent molecular masses ranging from 49 to 68 kDa. In cell fractionation studies, the 68-kDa NMT1 isoform and NMT2 were present in both membrane and cytoplasmic fractions, while the smaller NMT1 isoforms were predominantly cytoplasmic.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

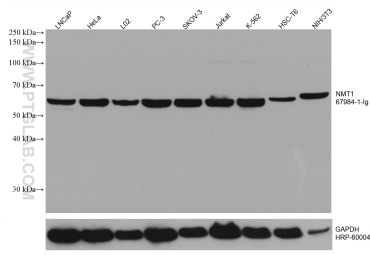
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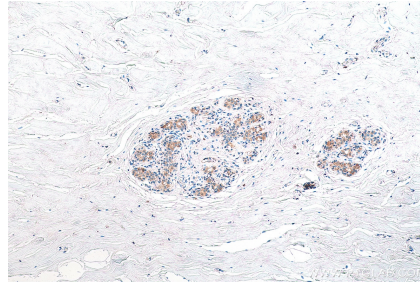
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67984-1-Ig (NMT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67984-1-Ig (NMT1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).