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Datasheet for ABIN968466

anti-NMT2 antibody (AA 10-119)

3 Images

1 Publication

Overview

Quantity:	50 µg
Target:	NMT2
Binding Specificity:	AA 10-119
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NMT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human NMT-2 aa. 10-119
Clone:	30-NMT
Isotype:	IgG1
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	NMT2
Alternative Name:	NMT-2 (NMT2 Products)
Background:	<p>Myristoylation is an essential cotranslational modification for many mammalian, viral, and fungal signaling proteins. N-terminal myristoylation is a lipid modification that is catalyzed by N-myristoyltransferase (NMT). NMT transfers myristic acid from myristoyl coenzyme A to the amino group of a protein's N-terminal glycine residue. This modification is important for localization and/or function of many of these proteins. Two human NMTs (NMT-1, NMT-2) have been identified. These proteins share 95% amino acid identity with their mouse homologs. NMT-1 is processed to form four protein isoforms with molecular weights ranging from 49-68 kDa. It is not known if these four isoforms are derived from single or multiple gene(s) and their exact functional roles are yet to be determined. In contrast to NMT-1, NMT-2 is a single 65 kDa protein. It contains 77% sequence identity with NMT-1, indicating that these proteins comprise two distinct families with overlapping, but distinct, substrate preferences. Additionally, NMT enzymatic activity is increased in colorectal tumors. Thus, NMTs are transferases whose function is essential for biological function of a variety of signaling proteins.</p>
Molecular Weight:	65 kDa
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Restrictions:	For Research Use only
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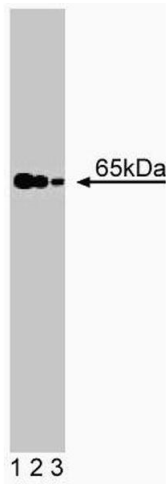
Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Product cited in:

Giang, Cravatt: "A second mammalian N-myristoyltransferase." in: **The Journal of biological chemistry**, Vol. 273, Issue 12, pp. 6595-8, (1998) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of NMT-2 on human endothelial lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of NMT-2.

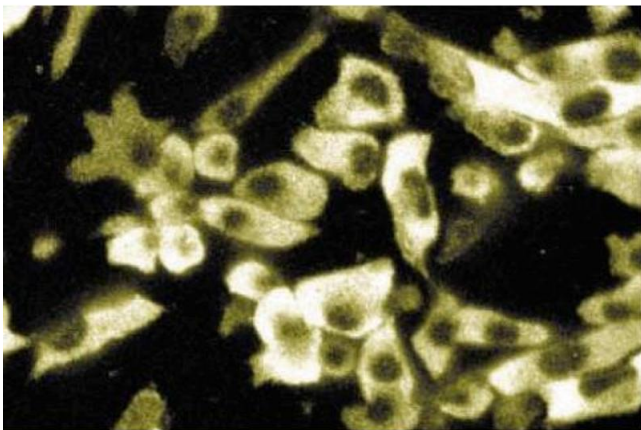


Image 2. ES2

Image 3.

