10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

INMT Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5476c

Specification

INMT Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	O95050
Other Accession	NP_006765.4
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28891**
Antigen Region	**101-128**

INMT Antibody (Center) - Additional Information

Gene ID 11185

Other Names
Indolethylamine N-methyltransferase, Indolamine N-methyltransferase, Aromatic alkylamine N-methyltransferase, Amine N-methyltransferase, Arylamine N-methyltransferase, Thioether S-methyltransferase, TEMT, INMT

Target/Specificity
This INMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-128 amino acids from the Central region of human INMT.

Dilution
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
INMT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

INMT Antibody (Center) - Protein Information

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Name INMT

Function Functions as a thioether S-methyltransferase and is active with a variety of thioethers and the corresponding selenium and tellurium compounds, including 3-methylthiopropionaldehyde, dimethyl selenide, dimethyl telluride, 2-methylthioethylamine, 2-methylthioethanol, methyl-n-propyl sulfide and diethyl sulfide. Plays an important role in the detoxification of selenium compounds (By similarity). Catalyzes the N-methylation of tryptamine and structurally related compounds.

Cellular Location
Cytoplasm.

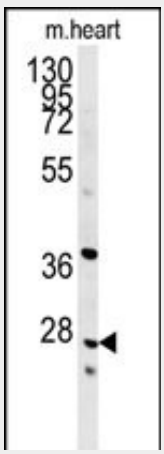
Tissue Location
Widely expressed. The highest levels were in thyroid, adrenal gland, adult and fetal lung. Intermediate levels in heart, placenta, skeletal muscle, testis, small intestine, pancreas, stomach, spinal cord, lymph node and trachea. Very low levels in adult and fetal kidney and liver, in adult spleen, thymus, ovary, colon and bone marrow. Not expressed in peripheral blood leukocytes and brain

INMT Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

INMT Antibody (Center) - Images



INMT Antibody (Center) (Cat.#AP5476c) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the INMT antibody detected INMT protein (arrow).

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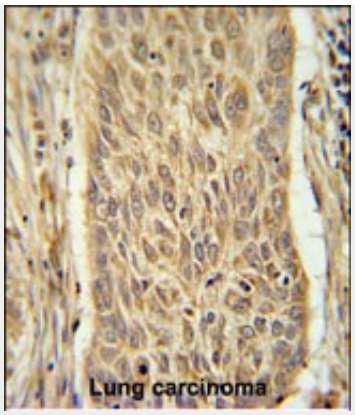

INMT Antibody (Center) (Cat. #AP5476c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the INMT Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

INMT Antibody (Center) - Background

N-methylation of endogenous and xenobiotic compounds is a major method by which they are degraded. This gene encodes an enzyme that N-methylates indoles such as tryptamine. [provided by RefSeq].

INMT Antibody (Center) - References

Kim, Y.H., et al. Exp. Mol. Med. 33(1):23-28(2001)
Thompson, M.A., et al. Genomics 61(3):285-297(1999)
Strahilevitz, M., et al. Biol. Psychiatry 12(2):171-180(1977)