

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

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.

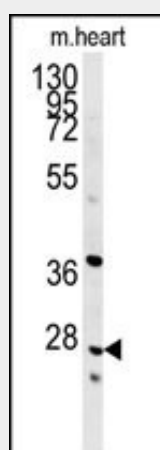
Tissue Location

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

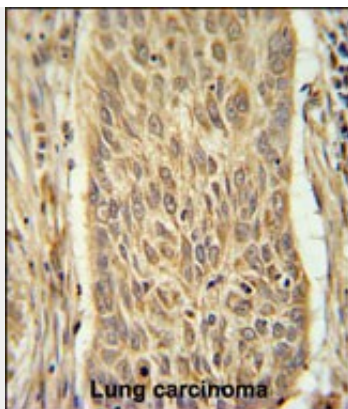
INMT Antibody (Center) - Protocols

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

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



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)