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INMT Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56349

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O95050
Reactivity	Human, Orangutan
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28891

Additional Information

Gene ID	11185
Other Names	Indolethylamine N-methyltransferase, Indolamine N-methyltransferase, 2.1.1.49, 2.1.1.96, Aromatic alkylamine N-methyltransferase, Amine N-methyltransferase, Arylamine N-methyltransferase, Thioether S-methyltransferase, TEMT, INMT
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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