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ASMTY Rabbit pAb

Catalog # AP96837

Product Information

Application	WB
Primary Accession	P46597
Other Accession	P46597
Reactivity	Rat
Predicted	Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38453
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Dopamine transporter
Epitope Specificity	241-345/345
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the methyltransferase superfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Most abundant in pineal gland, less in retina and brain, not in pigment epithelium.

Additional Information

Gene ID	438
Other Names	ASMT_HUMAN; ASMT; Hydroxyindole O-methyltransferase (HIOMT); 2.1.1.4; ASMTY; HIOMT; HIOMTY; acetylserotonin O-methyltransferase
Dilution	WB=1:500-2000
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	ASMT
Function	[Isoform 1]: Catalyzes the transfer of a methyl group onto N-acetylserotonin, producing melatonin (N-acetyl-5-methoxytryptamine).
Tissue Location	Expressed in the pineal gland (at protein level). In the retina, very low

expression is found at the mRNA level (PubMed:7989373), and not at the protein level (PubMed:8574683)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.