

Rabbit anti-Human ASMT Polyclonal Antibody | anti-ASMT antibody

ASMT Antibody (Center)

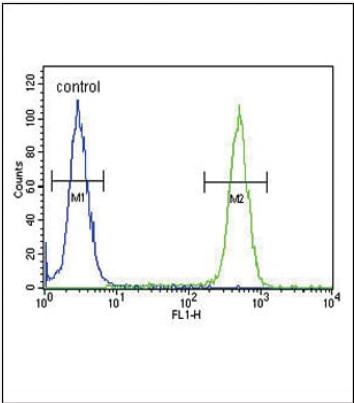
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287622	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

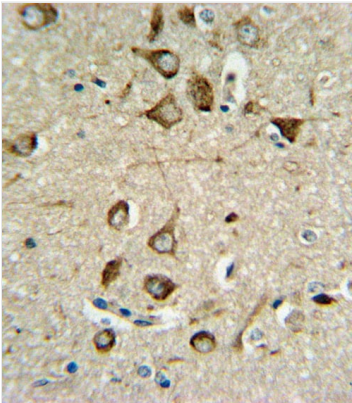
ASMT; Polyclonal Antibody; ASMT Antibody (Center); Acetylserotonin O-methyltransferase; Hydroxyindole O-methyltransferase; HIOMT; anti-ASMT antibody

PRODUCT SPECIFICATIONS

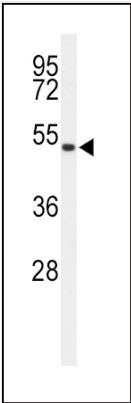
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ASMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 212-241 amino acids from the Central region of human ASMT.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	212-241
Sequence Length	373
Applicable Applications for anti-ASMT antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



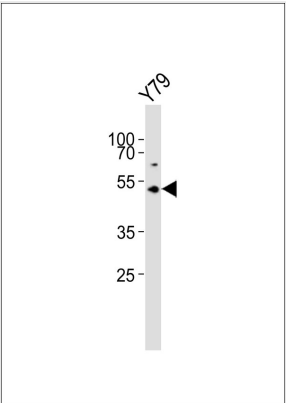
FCM/FACS (Flow Cytometry)
ASMT Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
ASMT Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ASMT Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ASMT Antibody (Center) in 293 cell line lysates (35ug/lane). ASMT (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysate from Y79 cell line, using ASMT Antibody (Center). AAA287622 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-ASMT antibody	ASMT belongs to the methyltransferase superfamily, and is located in the pseudoautosomal region (PAR) at the end of the short arms of the X and Y chromosomes. The encoded enzyme catalyzes the final reaction in the synthesis of melatonin, and is abundant in the pineal gland.
Product Categories/Family for anti-ASMT antibody	Metabolism; Neuroscience; Signal Transduction
References	Melke, J., et al. Mol. Psychiatry 13(1):90-98(2008) Toma, C., et al. Mol. Psychiatry 12(11):977-979(2007) Ross, M.T., et al. Nature 434(7031):325-337(2005) Itoh, M.T., et al. Horm. Metab. Res. 35(3):153-157(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	283549144
NCBI GeneID	438
NCBI Accession #	NP_001164509.1; NP_001164510.1; NP_004034.2
NCBI GenBank Nucleotide #	NM_001171038.1

UniProt Accession #	P46597 ; Q16598 ; Q5JQ72 ; Q5JQ73 ; B2RC33
Molecular Weight	38453
NCBI Official Full Name	acetylserotonin O-methyltransferase isoform 1
NCBI Official Synonym Full Names	acetylserotonin O-methyltransferase
NCBI Official Symbol	ASMT
NCBI Official Synonym Symbols	ASMTY; HIOMT; HIOMTY
NCBI Protein Information	acetylserotonin O-methyltransferase
UniProt Protein Name	Acetylserotonin O-methyltransferase
UniProt Gene Name	ASMT
UniProt Synonym Gene Names	HIOMT
UniProt Entry Name	ASMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/asmt-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287622>