



## Anti-ASMT monoclonal antibody (DCABH-694)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to ASMT
<b>Antigen Description</b>	This gene 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. Alternatively spliced transcript variants have been noted for this gene.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 71-171 of Human ASMT (NP_004034), with proprietary tag. Mol Wt 37.498 kDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, Sandwich ELISA
<b>Positive Control</b>	Recombinant protein
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.20; Constituent: 99% PBS
<b>Preservative</b>	None
<b>Storage</b>	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">ASMT acetylserotonin O-methyltransferase [ Homo sapiens ]</a>
<b>Official Symbol</b>	ASMT
<b>Synonyms</b>	ASMT; acetylserotonin O-methyltransferase; ASMTY; HIOMT; HIOMTY; hydroxyindole O-methyltransferase; acetylserotonin N-methyltransferase; acetylserotonin methyltransferase (Y chromosome);
<b>Entrez Gene ID</b>	<a href="#">438</a>
<b>Protein Refseq</b>	<a href="#">NP_001164509</a>
<b>UniProt ID</b>	<a href="#">A0A024RBT9</a>
<b>Chromosome Location</b>	Xp22.3 and Yp11.3
<b>Pathway</b>	Amine-derived hormones, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Melatonin biosynthesis, tryptophan => serotonin => melatonin, organism-specific biosystem; Melatonin biosynthesis, tryptophan => serotonin =>
<b>Function</b>	O-methyltransferase activity; acetylserotonin O-methyltransferase activity; transferase activity;