



Anti-ASMT (aa 71-170) polyclonal antibody (DPAB-DC1948)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	ASMT (NP_004034, 71 a.a. ~ 170 a.a) partial recombinant protein with GST tag. The sequence is KLLKVETRGGKAFYRNRTELSSDYLTTVSPSQCSMLKYMGRTSYRCWGLADAVREGRNQ YLETFGVPAEELFTAIYRSEGERLQFMQALQEVSWSVNGRS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ASMT acetylserotonin O-methyltransferase [Homo sapiens (human)]
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Official Symbol	ASMT
Synonyms	ASMT; acetylserotonin O-methyltransferase; ASMTY; HIOMT; HIOMTY; hydroxyindole O-methyltransferase; acetylserotonin N-methyltransferase; acetylserotonin methyltransferase (Y chromosome);
Entrez Gene ID	438
Protein Refseq	NP_001164509
UniProt ID	A0A024RBT9
Chromosome Location	Xp22.3 or Yp11.3
Pathway	Amine-derived hormones; Melatonin biosynthesis, tryptophan => melatonin; serotonin =>
Function	O-methyltransferase activity; acetylserotonin O-methyltransferase activity; identical protein binding; protein homodimerization activity
