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Datasheet for ABIN6942134

anti-ASMT antibody (AA 230-280) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	ASMT
Binding Specificity:	AA 230-280
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASMT antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Acetylserotonin O-methyltransferase (ASMT)
Isotype:	IgG
Cross-Reactivity:	Rat, Sheep
Predicted Reactivity:	Human, Mouse, Dog, Cow, Horse
Purification:	Purified by Protein A.

Target Details

Target:	ASMT
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Target Details

Alternative Name:	ASMT (ASMT Products)
Background:	<p>Synonyms: Acetylserotonin O-methyltransferase, ASMT, ASMTY, HIOMT, HIOMTY, Hydroxyindole O-methyltransferase.</p> <p>Background: 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. Isoform 1 catalyzes the transfer of a methyl group onto N-acetylserotonin, producing melatonin (N-acetyl-5-methoxytryptamine). Isoform 2 and isoform 3 lack enzyme activity</p>
Gene ID:	438
UniProt:	P46597

Application Details

Application Notes:	IF(IHC-P)(1:50-200)
Restrictions:	For Research Use only

Handling

Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months