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Datasheet for ABIN883816  
**anti-ASMT antibody (Alexa Fluor 647)**

### Overview

Quantity:	100 µL
Target:	ASMT
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASMT antibody is conjugated to Alexa Fluor 647
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
Alternative Name:	Asmt ( <a href="#">ASMT Products</a> )

## Target Details

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**Background:** Synonyms: Acetylserotonin O-methyltransferase, ASMT, ASMTY, HIOMT, HIOMTY, Hydroxyindole O-methyltransferase.

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

**Gene ID:** 438

**UniProt:** [P46597](#)

## Application Details

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**Application Notes:** IF(IHC-P)(1:50-200)

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**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