Datasheet for ABIN1391335
anti-AANAT antibody (pThr29) (Biotin)

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Overview

Quantity:	100 µL
Target:	AANAT
Binding Specificity:	pThr29
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AANAT antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from mouse AANAT around the phosphorylation site of Thr29
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	AANAT
Alternative Name:	Aanat (AANAT Products)

Target Details

Background:	Synonyms: p-AANATThr29, p-AANATT29, AANATphospho Thr29, p-AANATT29
	Background: Arylalkylamine N-acetyltransferase belongs to the superfamily of acetyltransferases. It is the penultimate enzyme in melatonin synthesis and controls the night/day rhythm in melatonin production in the vertebrate pineal gland. Melatonin is essential for seasonal reproduction, modulates the function of the circadian clock in the suprachiasmatic nucleus, and influences activity and sleep. This enzyme is rapidly inactivated when animals are exposed to light at night. This protein is 80 % identical to sheep and rat AA-NAT. Arylalkylamine N-acetyltransferase may contribute a multifactorial genetic diseases such as altered behavior in sleep/wake cycle.
Gene ID:	11298
Pathways:	Photoperiodism

Application Details

Application Notes:	WB 1:100-1000
	IHC-P 1:100-500
Restrictions:	For Research Use only

Handling

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 for 12 months.
Expiry Date:	12 months