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Datasheet for ABIN914712
anti-Seladin 1 antibody (Alexa Fluor 350)

Overview

Quantity:	100 µL
Target:	Seladin 1 (DHCR24)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Seladin 1 antibody is conjugated to Alexa Fluor 350
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 Seladin 1
Isotype:	IgG
Cross-Reactivity:	Mouse, Pig, Rat
Predicted Reactivity:	Human,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Seladin 1 (DHCR24)
Alternative Name:	Seladin 1 (DHCR24 Products)
Background:	Synonyms: Seladin1, Seladin-1, DHCR24, 24 dehydrocholesterol reductase, 3-beta-hydroxysterol

Target Details

delta-24-reductase, DCE, Desmosterol to cholesterol enzyme, Diminuto dwarf1 homolog, SELADIN1, Selective AD indicator 1, Selective Alzheimer's Disease Indicator 1.

Background: Seladin 1 is highly expressed in brain, adrenal tissues and adrenal tumours, where this enzyme catalyzes the reduction of the delta-24 double bond of sterol intermediates such as desmosterol, during cholesterol biosynthesis. In addition, Seladin 1 has an anti-apoptotic function by reducing caspase 3 activity during oxidative stress-induced apoptosis and protecting cells against amyloid-beta peptide-induced apoptosis. Several studies have identified a reduction in expression levels of this enzyme in brain regions affected by Alzheimer's disease (hippocampus and the subventricular zone).

Gene ID: 1718

Application Details

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

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months