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Rabbit Anti-Seladin 1 antibody

SL5390R

Product Name:	Seladin 1
Chinese Name:	24脱氢胆固醇还原酶抗体
Alias:	Seladin1; Seladin-1; DHCR24; 24 dehydrocholesterol reductase; 3-beta-hydroxysterol delta-24-reductase; DCE; Desmosterol to cholesterol enzyme; Diminuto dwarf1 homolog; SELADIN1; Selective AD indicator 1; Selective Alzheimer's Disease Indicator 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55/110kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Seladin 1:101-200/516
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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).

Subunit:
Endoplasmic reticulum membrane; Single-pass membrane protein. Golgi apparatus membrane; Single-pass membrane protein.

Subcellular Location:
Endoplasmic reticulum membrane; Single-pass membrane protein. Golgi apparatus membrane; Single-pass membrane protein.

Tissue Specificity:
Highly expressed in brain and adrenal gland with moderate expression in liver, lung, spleen, prostate and spinal cord. Low expression in heart, uterus and prostate. Undetectable in blood cells. In the brain, strongly expressed in cortical regions, substantia nigra, caudate nucleus, hippocampus, medulla oblongata and pons. In brains affected by Alzheimer disease, expression in the inferior temporal lobe is substantially lower than in the frontal cortex.

Similarity:
Belongs to the FAD-binding oxidoreductase/transferase type 4 family.
Contains 1 FAD-binding PCMH-type domain.

SWISS:
Q15392

Gene ID:
1718

Database links:

Entrez Gene: 1718 Human

Entrez Gene: 74754 Mouse

Entrez Gene: 298298 Rat

Omim: 606418 Human

SwissProt: Q15392 Human

SwissProt: Q8VCH6 Mouse

SwissProt: Q5BQE6 Rat

Unigene: 498727 Human

	Unigene: 133370 Mouse Unigene: 225146 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.