DHCR24 Mouse mAb

Catalog No	YP-mAb-18662
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DHCR24 KIAA0018
Immunogen	Synthesized peptide derived from human DHCR24
Specificity	This antibody detects endogenous levels of DHCR24 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DHC24;24-dehydrocholesterol reductase;3-beta-hydroxysterol Delta-24-reductase;Delta(24)-sterol reductase;EC:1.3.1.72;DHCR24 KIAA0018;Delta(24)-sterol reductase (24-dehydrocholesterol reductase) (3-beta-hydroxysterol delta-24-reductase) (Diminuto/dwarf1 homolog) (Seladin-1)
Observed Band	50-60 kDa
Calculated Molecular Weight	60 kDa, 516 aa
Cell Pathway	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.
Function	Catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis . In addition to its cholesterol-synthesizing activity, can protect cells from oxidative stress by reducing caspase 3 activity during apoptosis induced by oxidative stress . Also protects against amyloid-

	beta peptide-induced apoptosis .
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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