

Datasheet for ABIN1105345
anti-AMD1 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	AMD1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Synthetic peptide corresponding to a sequence at the C-terminal of human SAMDC .Remarks: Sequence is identical to the related mouse and rat sequence.
Isotype:	IgG
Specificity:	This antibody detects AMD1 (C-term). No cross reactivity with other proteins.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Immunogen affinity purified

Target Details

Target:	AMD1
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Target Details

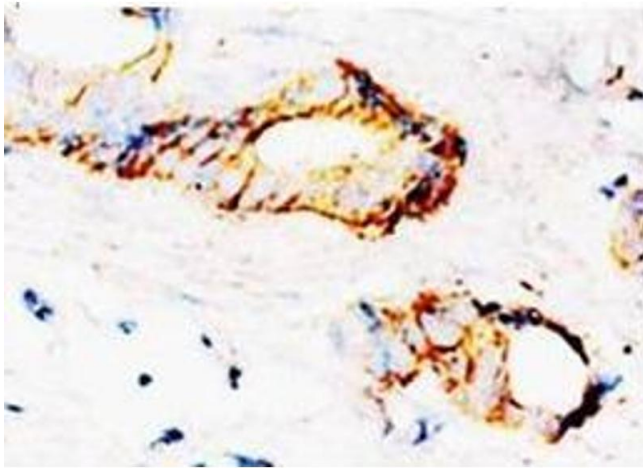
Alternative Name:	AMD1 (AMD1 Products)
Background:	S-adenosylmethionine decarboxylase (AdoMet-DC), also known as S-adenosylmethionine decarboxylase proenzyme (SAMDC), is a key enzyme in polyamine biosynthesis. It is localized to chromosome region 6q21-q22. SAMDC has an unusual distribution in polysomes from cells of T lymphocyte origin. It associates predominantly with monosomes and small polysomes with none located in the preribosomal or ribonucleoprotein pool. SAMDC is a critical regulatory enzyme of the polyamine synthetic pathway, and a well-studied drug target. Since SAMDC is a key regulatory enzyme in the synthesis of spermidine and spermine, the marked increase in SAMDC activity in the neonate and the sustained high enzyme levels throughout adulthood, imply a role for these polyamines in both development and mature brain function.Synonyms: AdoMetDC, S-adenosylmethionine decarboxylase proenzyme, SAMDC
Gene ID:	262
NCBI Accession:	NP_001625
UniProt:	P17707
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

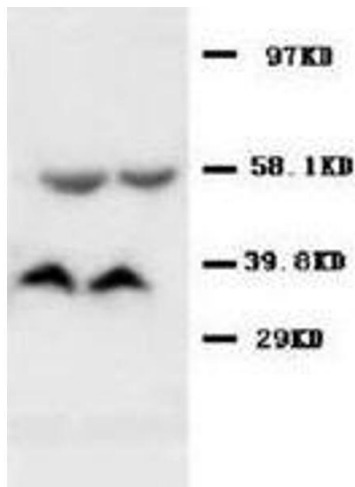
Handling

Reconstitution:	0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg NaN ₃
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded mammary cancer sections, staining SAMDC in cytoplasm, DAB Chromogenic reaction



Western Blotting

Image 2. Western blot analysis of rat kidney tissue lysis using SAMDC antibody