

Anti-AMD1 Antibody

Catalog # AP51993

Product Information

Application	WB, IF/IC
Primary Accession	P17707
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38340

Additional Information

Gene ID	262
Other Names	AMD; S-adenosylmethionine decarboxylase proenzyme; AdoMetDC; SAMDC
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AMD1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

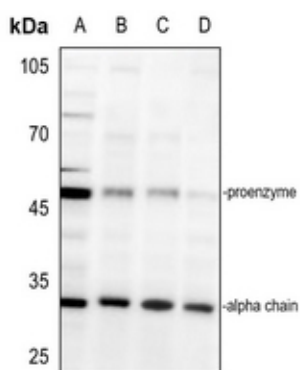
Protein Information

Name	AMD1
Synonyms	AMD
Function	Essential for biosynthesis of the polyamines spermidine and spermine. Promotes maintenance and self-renewal of embryonic stem cells, by maintaining spermine levels.

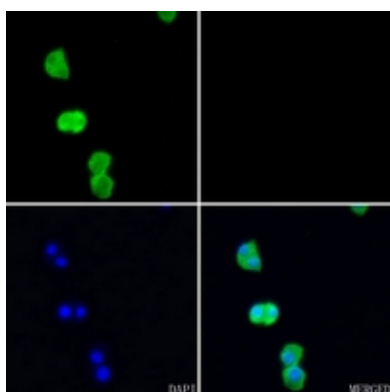
References

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Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Stanley B.A.,et al.J. Biol. Chem. 266:18502-18506(1991).

Images



Western blot analysis of AMD1 expression in AML12 (A), HCT116 (B), LO2 (C), A549 (D) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 34, 50 kD)



Immunofluorescent analysis of AMD1 staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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