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Anti-AMD1 Antibody

Catalog # AP53657

Product Information

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

Additional Information

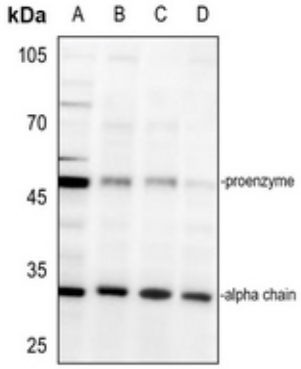
Gene ID	262
Other Names	AMD; S-adenosylmethionine decarboxylase proenzyme; AdoMetDC; SAMDC
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AMD1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% 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

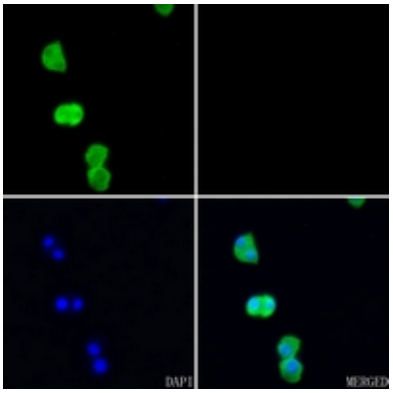
Protein Information

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.

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 hidified 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.