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ADSS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13092b

Product Information

Application	WB, E
Primary Accession	P30520
Other Accession	NP_001117.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21229
Calculated MW	50097
Antigen Region	396-422

Additional Information

Gene ID	159
Other Names	Adenylosuccinate synthetase isozyme 2 {ECO:0000255|HAMAP-Rule:MF_03127}, AMPSase 2 {ECO:0000255|HAMAP-Rule:MF_03127}, AdSS 2 {ECO:0000255|HAMAP-Rule:MF_03127}, 6344 {ECO:0000255|HAMAP-Rule:MF_03127}, Adenylosuccinate synthetase, acidic isozyme {ECO:0000255|HAMAP-Rule:MF_03127}, Adenylosuccinate synthetase, liver isozyme {ECO:0000255|HAMAP-Rule:MF_03127}, L-type adenylosuccinate synthetase {ECO:0000255|HAMAP-Rule:MF_03127}, IMP--aspartate ligase 2 {ECO:0000255|HAMAP-Rule:MF_03127}, ADSS {ECO:0000255|HAMAP-Rule:MF_03127}
Target/Specificity	This ADSS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-422 amino acids from the C-terminal region of human ADSS.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADSS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADSS2 (HGNC:292)
Function	Plays an important role in the de novo pathway and in the salvage pathway of purine nucleotide biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP.
Cellular Location	Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03127}. Mitochondrion {ECO:0000250|UniProtKB:A4Z6H1}. Note=Partially associated with particulate fractions

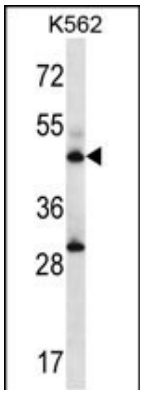
Background

This gene encodes the enzyme adenylosuccinate synthetase which catalyzes the first committed step in the conversion of inosine monophosphate to adenosine monophosphate. A pseudogene of this gene is found on chromosome 17.

References

Sivendran, S., et al. Protein Sci. 17(7):1162-1174(2008)
Zhang, F., et al. BMC Med. Genet. 9, 119 (2008) :
Zhang, F., et al. Behav Brain Funct 4, 39 (2008) :
Sun, H., et al. Mol. Cell. Biochem. 269 (1-2), 85-94 (2005) :
Stepinski, J., et al. Kidney Int. 50(4):1195-1201(1996)

Images



ADSS Antibody (C-term) (Cat. #AP13092b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ADSS antibody detected the ADSS protein (arrow).