10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADSS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13092b

Specification

ADSS Antibody (C-term) - Product Information

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

ADSS Antibody (C-term) - 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

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.

ADSS Antibody (C-term) - 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.

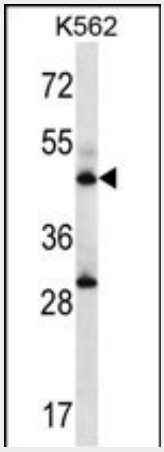
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03127}. Mitochondrion {ECO:0000250|UniProtKB:A4Z6H1}. Note=Partially associated with particulate fractions

ADSS Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADSS Antibody (C-term) - 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).

ADSS Antibody (C-term) - 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.

ADSS Antibody (C-term) - 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)