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# ADSS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13092b

## Product Information

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|---|---|
| **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

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| **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

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| **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 |

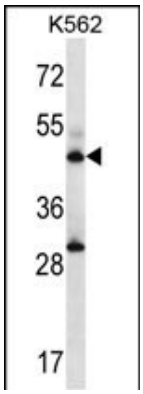
## Background

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).