

Rabbit ASS Polyclonal Antibody | anti-ASS1 antibody

ASS Antibody (Center)

CATALOG # AAA283993	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ASS; Polyclonal Antibody; ASS Antibody (Center); Argininosuccinate synthase; Citrulline--aspartate ligase; ASS1; anti-ASS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ASS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-221 amino acids from the Central region of human ASS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	192-221
Sequence Length	412
Applicable Applications for anti-ASS1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of ASS Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of widr cells using ASS Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



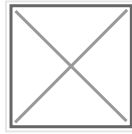
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human colon carcinoma reacted with ASS Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ASS Antibody (Center) in Hela cell line lysates (35ug/lane). ASS (arrow) was detected using the purified Pab.



WB (Western Blot)

Western blot analysis of ASS Antibody (Center) in mouse kidney tissue lysates (35ug/lane). ASS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ASS1 antibody	ASS catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase.
Product Categories/Family for anti-ASS1 antibody	Metabolism; Signal Transduction
References	Engel,K., et.al., Hum. Mutat. 30 (3), 300-307 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041.2; NP_446464.1
NCBI GenBank Nucleotide #	NM_000050.4
UniProt Accession #	P00966; Q6LDL2; Q86UZ0; Q96GT4
Molecular Weight	46530
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Synonym Full Names	argininosuccinate synthase 1
NCBI Official Symbol	ASS1
NCBI Official Synonym Symbols	ASS; CTLN1
NCBI Protein Information	argininosuccinate synthase
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	ASS1
UniProt Synonym Gene Names	ASS
UniProt Entry Name	ASSY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.