

Mouse ASS1 Monoclonal Antibody | anti-ASS1 antibody

Anti-ASS1 Mouse mAb

CATALOG # AAA14112	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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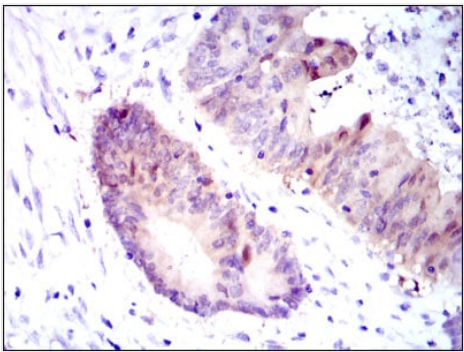
PRODUCT SYNONYMS

ASS1; Monoclonal Antibody; Anti-ASS1 Mouse mAb; Argininosuccinate synthase 1; Argininosuccinate synthase; Argininosuccinate synthetase 1; ASS; Ass-1; ass1; ASSA; ASSY_HUMAN; Citrulline aspartate ligase; Citrulline--aspartate ligase; CTLN1; anti-ASS1 antibody

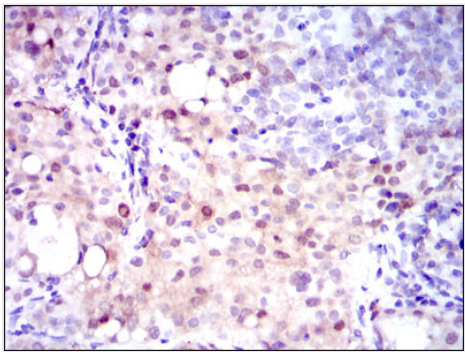
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	6C8-D4-C1
Purity/Purification	Affinity purified
Form/Format	Purified antibody in PBS with 0.05% sodium azide.
Sequence Length	412
Applicable Applications for anti-ASS1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1/500 - 1/2000 IHC: 1/200 - 1/1000
Antibody type	Primary antibody
Immunogen	Purified recombinant fragment of human ASS1 expressed in E Coli.
Cross Reactivity	Human, Mouse, Monkey
Subcellular Location	Cytoplasm
Preparation and Storage	Short Term: 4°C Long Term: -20°C Avoid freeze / thaw cycle.

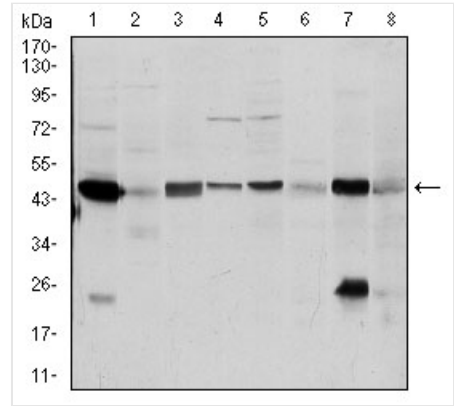
IMAGES



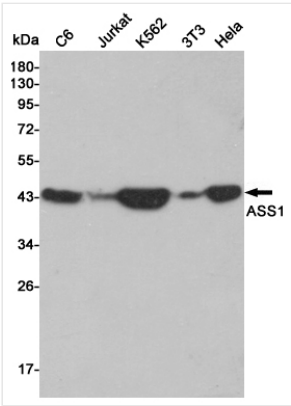
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded colon cancer tissues using ASS1 mouse mAb with DAB staining.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using ASS1 mouse mAb with DAB staining.



WB (Western Blot)
Western blot analysis using ASS1 mouse mAb against A431 (1), RAJI (2), MOLT4 (3), Jurkat (4), A549 (5), NIH/3T3 (6), PC-12 (7) and Cos7 (8) cell lysate.



WB (Western Blot)
Western blot detection of ASS1 in C6, Jurkat, K562, 3T3 and HeLa cell lysates using ASS1 mouse mAb (1:3000 diluted). Predicted band size: 47KDa. Observed band size: 47KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ASS1 antibody	Entrez Summary: The protein encoded by this gene 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. Mutations in the chromosome 9 copy of this gene cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2012] UniPort Summary Function: Is indirectly involved in the control of blood pressure.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041.2
NCBI GenBank Nucleotide #	NM_000050.4
UniProt Accession #	P00966; Q6LDL2; Q86UZ0; Q96GT4
Molecular Weight	47kDa
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ass1-antibody-clone-6c8-d4-c1-western-blot-immunohistochemistry-elisa/14112>