

## ARG43203 anti-Argininosuccinate Lyase antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Argininosuccinate Lyase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Argininosuccinate Lyase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-300 of Human Argininosuccinate Lyase (NP_000039.2).
Conjugation	Un-conjugated
Alternate Names	EC 4.3.2.1; Argininosuccinate lyase; ASAL; Arginosuccinase

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2, Mouse liver and Rat liver	
Observed Size	~ 52 kDa	

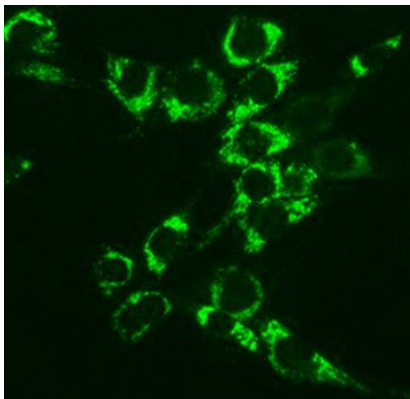
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide, 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

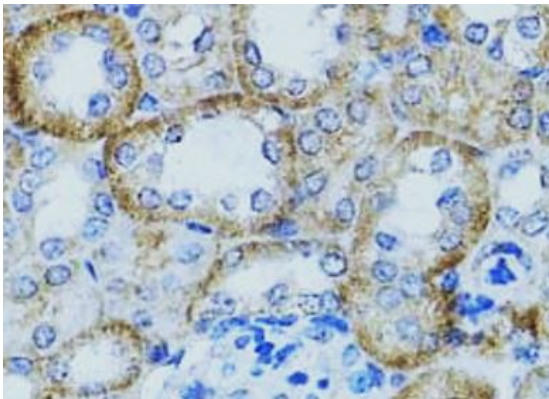
Gene Symbol	ASL
Gene Full Name	argininosuccinate lyase
Background	This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Calculated Mw	52 kDa
PTM	Acetylation modifies enzyme activity in response to alterations of extracellular nutrient availability. Acetylation increased with trichostin A (TSA) or with nicotinamide (NAM). Glucose increases acetylation by about a factor of 3 with decreasing enzyme activity. Acetylation on Lys-288 is decreased on the addition of extra amino acids resulting in activation of enzyme activity. [UniProt]

Images



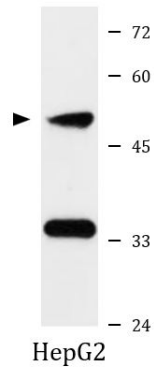
ARG43203 anti-Argininosuccinate Lyase antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells stained with ARG43203 anti-Argininosuccinate Lyase antibody at 1:100 dilution.



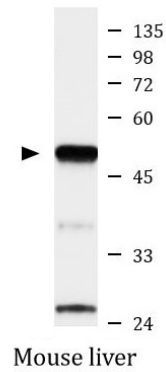
ARG43203 anti-Argininosuccinate Lyase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue stained with ARG43203 anti-Argininosuccinate Lyase antibody at 1:100 dilution.



ARG43203 anti-Argininosuccinate Lyase antibody WB image

Western blot: 25 µg of HepG2 cell lysate stained with ARG43203 anti-Argininosuccinate Lyase antibody at 1:1000 dilution.



ARG43203 anti-Argininosuccinate Lyase antibody WB image

Western blot: 25 µg of Mouse liver lysates stained with ARG43203 anti-Argininosuccinate Lyase antibody at 1:1000 dilution.