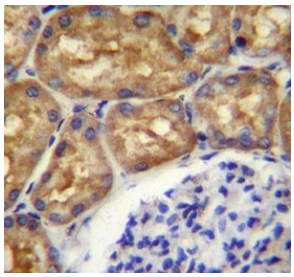
ASS1 Antibody (F42319)

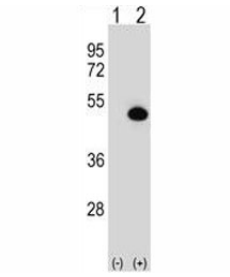
Catalog No.	Formulation	Size
F42319-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42319-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

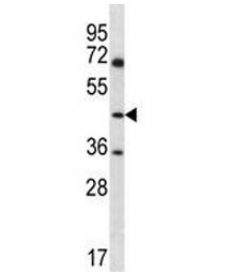
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Chicken
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P00966
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This ASS1 antibody is available for research use only.



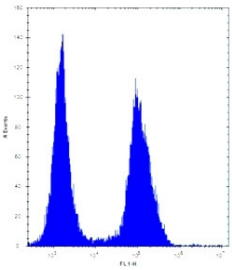
ASS1 antibody immunohsitochemistry analysis in formalin fixed and paraffin embedded human kidney tissue.



Western blot analysis of ASS1 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the ASS1 gene.



ASS1 antibody western blot analysis in Jurkat lysate



ASS1 antibody flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control (left histogram). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis.

Description

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 ASS cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene.

Application Notes

Titration of the ASS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 281-310 from the human protein was used as the immunogen for this ASS1 antibody.

Storage

Aliquot the ASS1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.