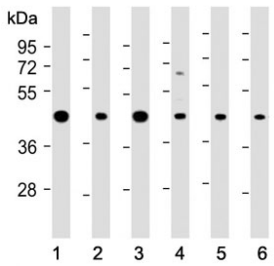
ASS1 Antibody (F49896)

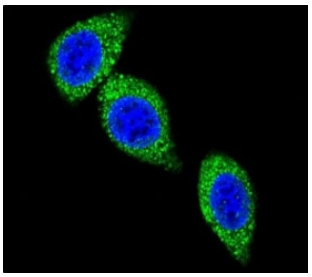
Catalog No.	Formulation	Size
F49896-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49896-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

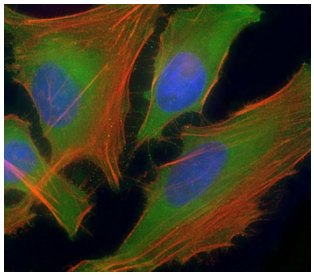
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P00966
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This ASS1 antibody is available for research use only.



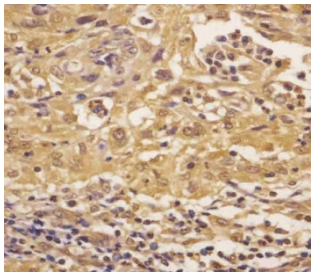
Western blot testing of human 1) A431, 2) MOLT4, 3) Jurkat, 4) PC-12, 5) mouse NIH3T3 and 6) mouse brain lysate with ASS1 antibody at 1:2000. Predicted molecular weight ~46 kDa.



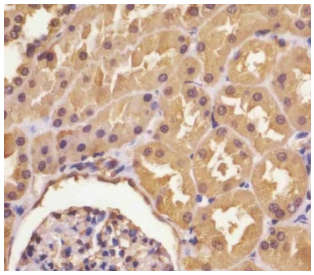
Confocal immunofluorescent analysis of ASS1 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



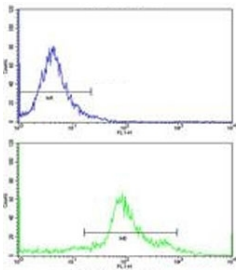
Immunofluorescent staining of permeabilized human HeLa cells with ASS1 antibody at 1:25 dilution, followed by Dylight 488-conjugated goat anti-rabbit lgG (green). Counterstains: blue (nuclear) and red (actin).



IHC testing of FFPE human cervical cancer with ASS1 antibody at 1:25 dilution. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human kidney with ASS1 antibody at 1:25 dilution. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometric analysis of WiDr cells using ASS1 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

ASS1 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.

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 192-221 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.

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