10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ASL.
Catalog # AT1214a

Specification

ASL Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF**
Primary Accession	P04424
Other Accession	BC008195
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**51658**

ASL Antibody (monoclonal) (M01) - Additional Information

Gene ID 435

Other Names
Argininosuccinate lyase, ASAL, Arginosuccinase, ASL

Target/Specificity
ASL (AAH08195, 1 a.a. ~ 464 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ASL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ASL Antibody (monoclonal) (M01) - Protocols

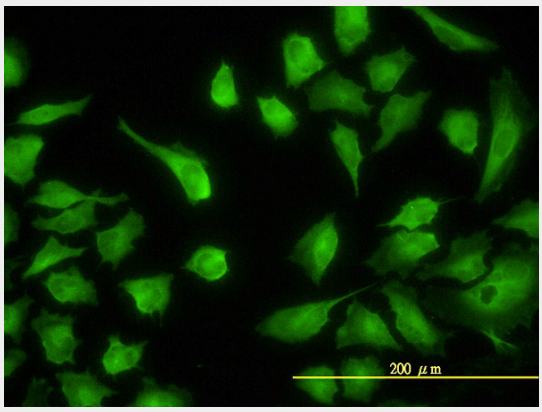
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

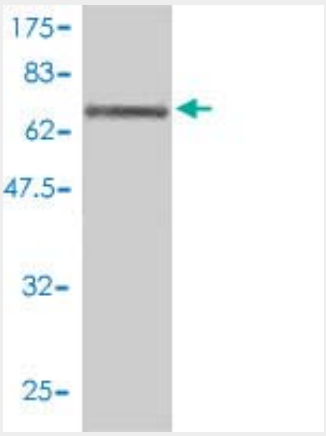
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

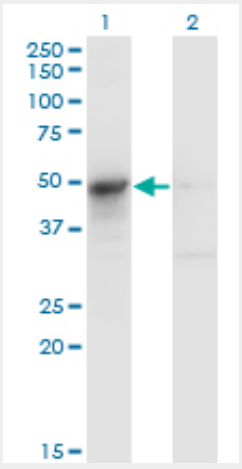
ASL Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to ASL on HeLa cell. [antibody concentration 5 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (76.78 KDa) .



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Western Blot analysis of ASL expression in transfected 293T cell line by ASL monoclonal antibody (M01), clone 4C5-1F2.

Lane 1: ASL transfected lysate(51.7 KDa).
Lane 2: Non-transfected lysate.

ASL Antibody (monoclonal) (M01) - 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.

ASL Antibody (monoclonal) (M01) - References

1.Epigenetic status of argininosuccinate synthetase and argininosuccinate lyase modulates autophagy and cell death in glioblastoma.Syed N, Langer J, Janczar K, Singh P, Lo Nigro C, Lattanzio L, Coley HM, Hatzimichael E, Bomalaski J, Szlosarek P, Awad MCell Death Dis. 2013 Jan 17;4:e458. doi: 10.1038/cddis.2012.197.