

Product datasheet for **CF804950**

Argininosuccinate Lyase (ASL) Mouse Monoclonal Antibody [Clone ID: OTI14C7]

Product data:

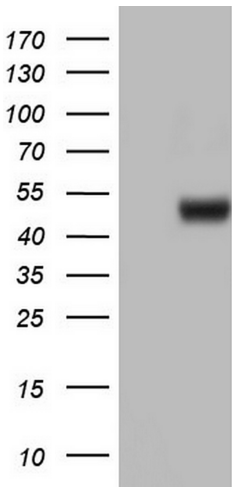
Product Type:	Primary Antibodies
Clone Name:	OTI14C7
Applications:	Simple Western, WB
Recommended Dilution:	WB 1:2000, Simple Western 1:20-1:50
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ASL (NP_001020114) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.5 kDa
Gene Name:	argininosuccinate lyase
Database Link:	NP_001020114 Entrez Gene 59085 Rat Entrez Gene 109900 Mouse Entrez Gene 435 Human P04424
Synonyms:	ASAL

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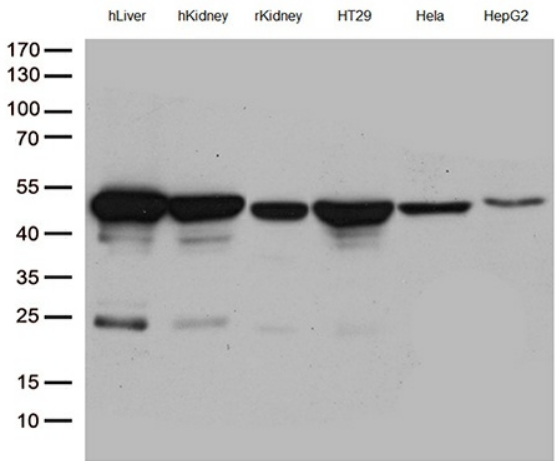
Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways

Product images:

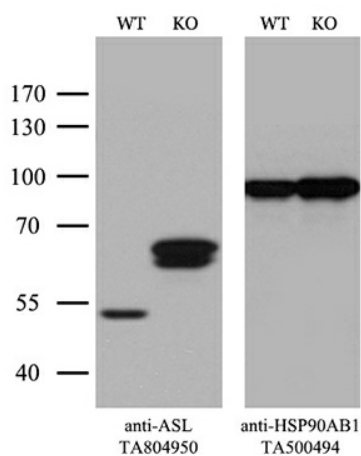
Simple Western™ analysis of endogenous protein ASL from HepG2 lysates (0.2 mg/mL) using ASL Mouse Monoclonal Antibody #[TA804950]. The virtual lane view (left) shows the target (as indicated) at 1:50 dilution of primary antibody. The corresponding electropherogram view (right) plots chemiluminescence by molecular weight along the capillary at a 1:50 dilution of primary antibody. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a Bio-Techne brand, using the 12–230 kDa Separation Module.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ASL ([RC201568], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASL. (1:.. Positive lysates [LY422562] (100ug) and [LC422562] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from different cell line by using anti-ASL monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and ASL-Knockout HeLa cells (KO, Cat# [LC810015]) were separated by SDS-PAGE and immunoblotted with anti-ASL monoclonal antibody [TA804950]. Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control (1:500).