

Product datasheet for **CF804902**

Argininosuccinate Lyase (ASL) Mouse Monoclonal Antibody [Clone ID: OTI9G2]

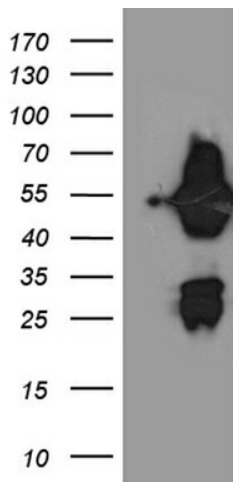
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9G2
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
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)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.5 kDa
Gene Name:	Homo sapiens argininosuccinate lyase (ASL), transcript variant 1, mRNA.
Database Link:	NP_001020114 Entrez Gene 59085 Rat Entrez Gene 109900 Mouse Entrez Gene 435 Human
Synonyms:	ASAL
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways

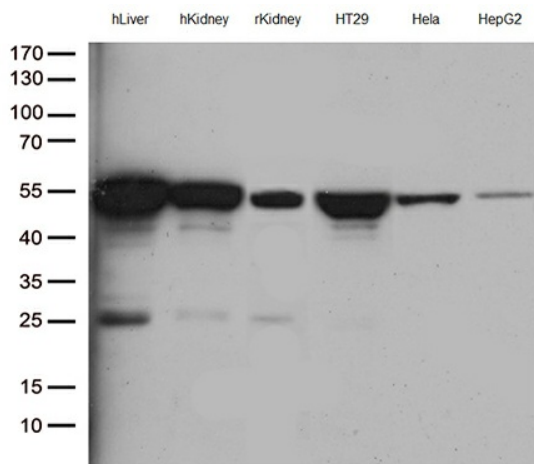


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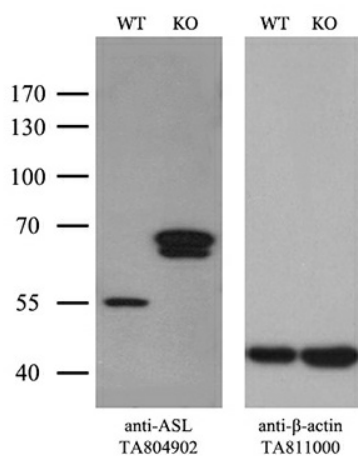
Product images:



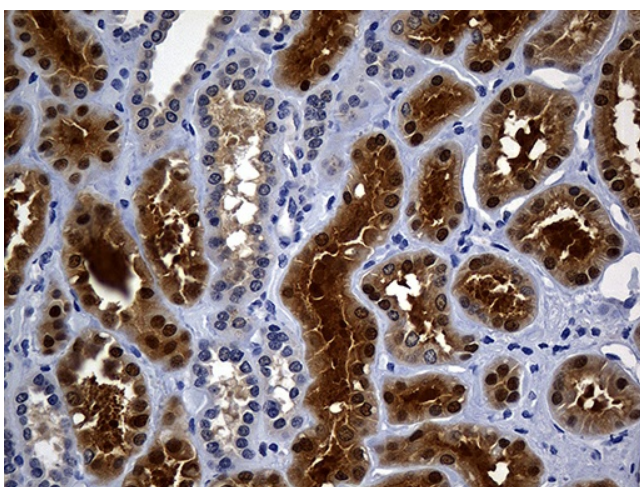
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ASL ([RC201568], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASL (1:2000). Positive lysates [LY422562] (100ug) and [LC422562] (20ug) can be purchased separately from OriGene.



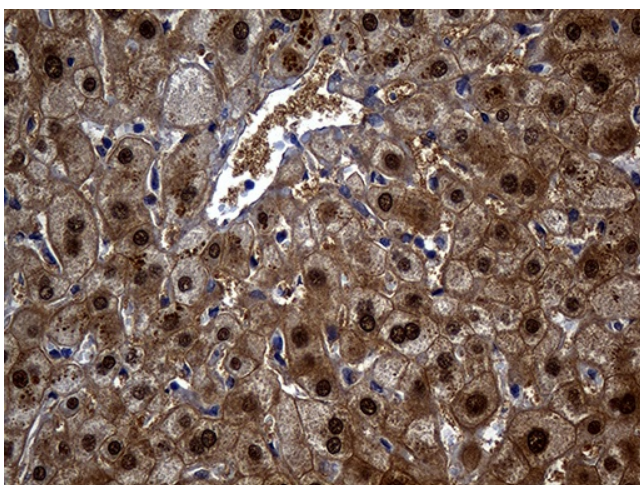
Western blot analysis of extracts (35ug) from different cell line by using anti-CTNND1 monoclonal antibody (1:500).



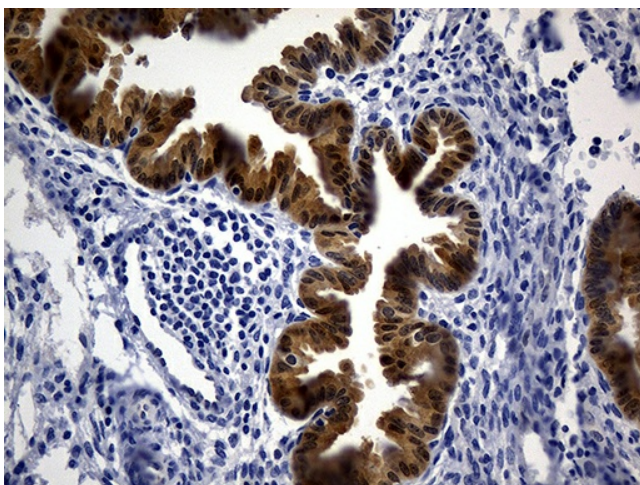
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and ASL-Knockout HeLa cells (KO, Cat# [LC810015]) were separated by SDS-PAGE and immunoblotted with anti-ASL monoclonal antibody [TA804902]. Then the blotted membrane was stripped and reprobed with anti-beta-actin antibody ([TA811000]) as a loading control (1:500).



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ASL mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA804902]) (1:150) (1:500)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ASL mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA804902]) (1:500)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ASL mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA804902]) (1:500)