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Product datasheet for CF504526

LIM1 (LHX1) Mouse Monoclonal Antibody [Clone ID: OTI1A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A5
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 100-362 of human LHX1(NP_005559) produced in E.coli.
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:	44.6 kDa
Gene Name:	LIM homeobox 1
Database Link:	NP_005559 Entrez Gene 16869 MouseEntrez Gene 257634 RatEntrez Gene 3975 Human P48742

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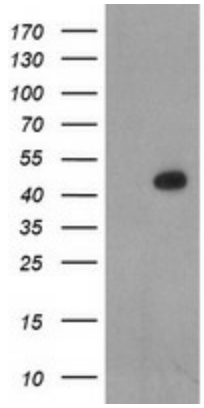
Background: This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor important for the development of the renal and urogenital systems. This gene is a candidate for Mayer-Rokitansky-Kuster-Hauser syndrome, a disorder characterized by anomalies in the female genital tract. [provided by RefSeq]

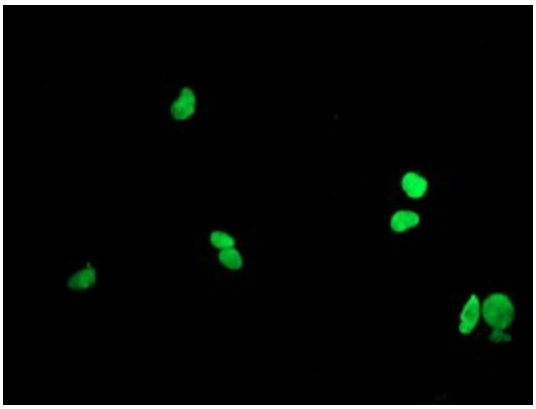
Synonyms: LIM-1; LIM1

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LHX1 ([RC210977], 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-LHX1. Positive lysates [LY417207] (100ug) and [LC417207] (20ug) can be purchased separately from OriGene.



Anti-LHX1 mouse monoclonal antibody ([TA504526]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LHX1 ([RC210977]).

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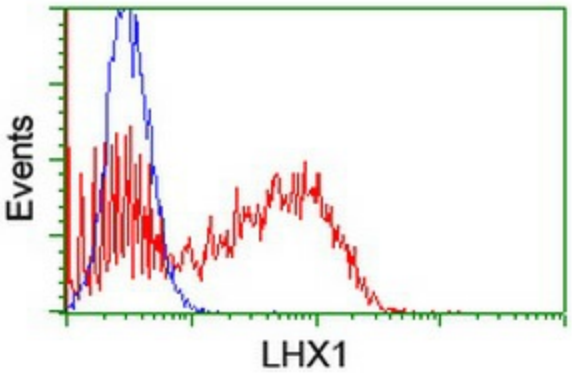

HEK293T cells transfected with either [RC210977] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LHX1 antibody ([TA504526]), and then analyzed by flow cytometry.

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