

LMO7 Polyclonal Antibody

Catalog NumberPA5-18229

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	<div>Tested ApplicationsDilution * Western Blot (WB)0.5-2 µg/mL</div>	
Class	Polyclonal		
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Synthetic peptide sequence (ESTCVSASLPRS) corresponding to the internal amino acids of LMO7		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with canine, mouse and rat based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 32,000.

Background/Target Information

The LIM-only (LMO) proteins are nuclear factors characterized by a conserved LIM domain. The LIM domain contains a cysteine-rich zinc-binding motif, present in a variety of transcription factors, including the LIM homeobox (LHX) proteins expressed in the central nervous system. The deduced LMO7 protein is comprised of 1,349 amino acid residues, contains a characteristic zinc finger domain and a 3-prime UTR which possesses a short interspersed nucleotide element (SINE). RT-PCR detects predominant expression of LMO7 in heart, lung, skeletal muscle, and kidney, moderate expression in liver, ovary, brain, pancreas, and testis, and little to no expression in spleen. Research indicates that LMO7 is an afadin- and alpha-actinin-binding protein that connects the nectin-afadin and E-cadherin-catenin systems through alpha-actinin.

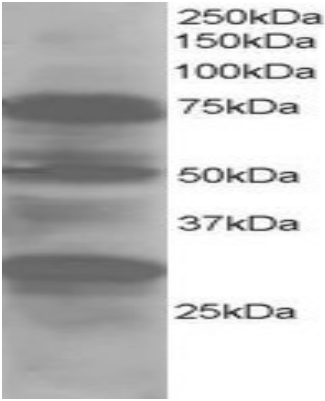
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Product Images For LMO7 Polyclonal Antibody



LMO7 Antibody (PA5-18229) in WB
Western blot analysis of LMO7 using LMO7 Polyclonal Antibody (Product # PA5-18229) (1 µg/mL) in staining of Human Lung lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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