

For Research Use Only

# LMO7 Recombinant antibody

Catalog Number: 84495-4-RR



## Basic Information

<b>Catalog Number:</b> 84495-4-RR	<b>GenBank Accession Number:</b> NM_005358	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4008	<b>CloneNo.:</b> 241781D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WWI1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> LIM domain 7	
<b>Immunogen Catalog Number:</b> AG30016	<b>Calculated MW:</b> 193 kDa	
	<b>Observed MW:</b> 150 kDa, 180 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A431 cells, A549 cells, MDA-MB-231 cells
<b>Species Specificity:</b> human	

## Background Information

LMO7, also known as LOMP, FBX20, belongs to the single Calponin-homology (CH) domain-containing protein family, with a single actin-binding CH domain at the amino terminal end(PMID: 19459066). LMO7 also contains a PDZ domain and a carboxyl-terminal LIM domain, both of which have been described as protein-protein interacting domains(PMID: 15140894). LMO7 encodes three splice variants of calculated molecular weights of 196 kDa (P200), 157 kDa (P150), and 100 kDa (P100)(PMID: 26157009).

## Storage

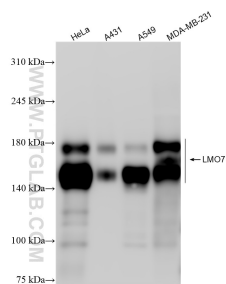
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

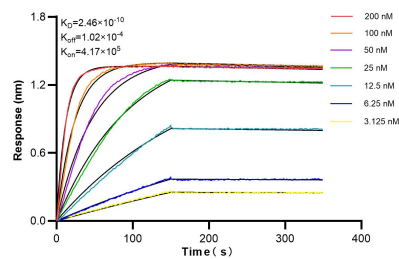
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84495-4-RR (LMO7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84495-4-RR against Human LMO7 were performed. The affinity constant is 0.246 nM.