

## Anti-DIF14/LMBR1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 55 kDa. Actual: 55 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Heart (Mouse) Lysate at 40 µg Primary: Anti-DIF14/LMBR1 (TMAB-05147) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD
	2. Sample: Urinary bladder (Mouse) Lysate at 40 µg Primary: Anti-DIF14/LMBR1 (TMAB-05147) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD
	Application: WB
	Recommended WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human LMBR1/DIF14
Antigen Species:	Human
Gene ID:	64327
Uniprot ID:	Q8WVP7

### Research Background

LMBR1 is a 490 amino acid multi-pass membrane protein that is widely expressed with strongest expression in heart and pancreas. Belonging to the LIMR family, LMBR1 shares 95% sequence identity with the mouse protein and may play crucial role in the evolution of limb and skeletal system. LMBR1 is critical for expression of sonic hedgehog (Shh) in the developing posterior limb bud mesenchyme. Mutations in the gene encoding LMBR1 is the cause of several rare conditions such as acheiropody (ACHP) and syndactyly type 4 (SDYT4). ACHP is an autosomal recessive inherited disorder characterized by bilateral congenital amputations of the hands and feet. LMBR1L (limb region 1 protein homolog-like), also known as LIMR (Lipocalin-1-interacting membrane receptor), is a 489 amino acid multi-pass membrane protein that is thought to act as a receptor for Lipocalin-1 and may also assist in its endocytosis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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