

## Anti-MLIP/C6orf142 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow,Sheep)
Molecular Weight:	Theoretical: 50 kDa. Actual: 53 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Heart (Mouse) Lysate at 40 µg Primary: Anti-MLIP (TMAB-08850) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 53 kD
	2. Sample: H9C2 (Rat) Cell Lysate at 30 µg Primary: Anti-MLIP (TMAB-08850) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 53 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 MLIP/C6orf142
Antigen Species:	Human
Gene ID:	90523
Uniprot ID:	Q5VWP3

### Research Background

Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes within 170 million base pairs of sequence. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer suggesting the presence of a cancer susceptibility locus. Porphyria cutanea tarda is associated with chromosome 6 through the HFE gene which, when mutated, predisposes an individual to developing this porphyria. Notably, the PARK2 gene, which is associated with Parkinson's disease, and the genes encoding the major histocompatibility complex proteins, which are key molecular components of the immune system and determine predisposition to rheumatic diseases, are also located on chromosome 6. Stickler syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6. A bipolar disorder susceptibility locus has been identified on the q arm of chromosome 6. The C6orf142 gene product has been

provisionally designated C6orf142 pending further characterization.

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

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