

## Anti-FbxL12 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 37 kDa. Actual: 37 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: k562 (human) Cell Lysate at 30 µg Primary: Anti-FbxL12 (TMAB-05918) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 37 kD
	2. Sample: U937 (Human) Cell Lysate at 30 µg Primary: Anti-FbxL12 (TMAB-05918) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 37 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 FbxL12
Antigen Species:	Human
Gene ID:	54850
Uniprot ID:	Q9NXX8

### Research Background

F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular processes (including the cell cycle, immune responses, signaling cascades and developmental events) through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, I $\beta$ -catenin and  $\beta$ -catenin, for proteasomal degradation. FBL12 (F-box and leucine-rich repeat protein 12), also designated FBXL12, is a 326 amino acid protein that contains one F-box domain, five LRR (leucine-rich) repeats and exists as two alternatively spliced isoforms. FBL12 interacts with both Skp1 and CUL-1, and is encoded by a gene that maps to human chromosome 19p13.2.

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

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