

## Anti-RPS6KB2 Antibody (8V587)

### Product Details

Ig Type:	IgG1, k
Reactivity:	Human, Mouse
Molecular Weight:	Theoretical: 53 kDa. Actual: 68 kDa.
Clone:	8V587
Purification:	Protein G purified

### Applications

Verified Activity:	1. Sample: Lane 1: Jurkat cell lysates Primary: Anti-RPS6KB2 (TMAB-12375) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 68 kD
	2. Sample: Lane 1: Mouse NIH/3T3 cell lysates Primary: Anti-RPS6KB2 (TMAB-12375) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 68 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:	Recombinant Protein: human RPS6KB2 (His-tagged)
Antigen Species:	Human
Gene ID:	6199
Uniprot ID:	Q9UBS0

### Research Background

This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013].

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