

**TOB1 (phospho Ser164) Polyclonal Antibody**  
Catalog # AP67767**Specification****TOB1 (phospho Ser164) Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P50616</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**TOB1 (phospho Ser164) Polyclonal Antibody - Additional Information****Gene ID** 10140**Other Names**

TOB1; TOB; TROB1; Protein Tob1; Transducer of erbB-2 1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**TOB1 (phospho Ser164) Polyclonal Antibody - Protein Information****Name** TOB1**Synonyms** TOB, TROB1**Function**

Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex (PubMed: [23236473](http://www.uniprot.org/citations/23236473) target="\_blank">23236473</a>, PubMed: [8632892](http://www.uniprot.org/citations/8632892) target="\_blank">8632892</a>). Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay (PubMed: [21336257](http://www.uniprot.org/citations/21336257) target="\_blank">21336257</a>).

**Cellular Location**

Cytoplasm. Nucleus. Note=Only a small fraction localizes to the cytoplasm except in late S- phase where more than half of proteins become cytoplasmic

**Tissue Location**

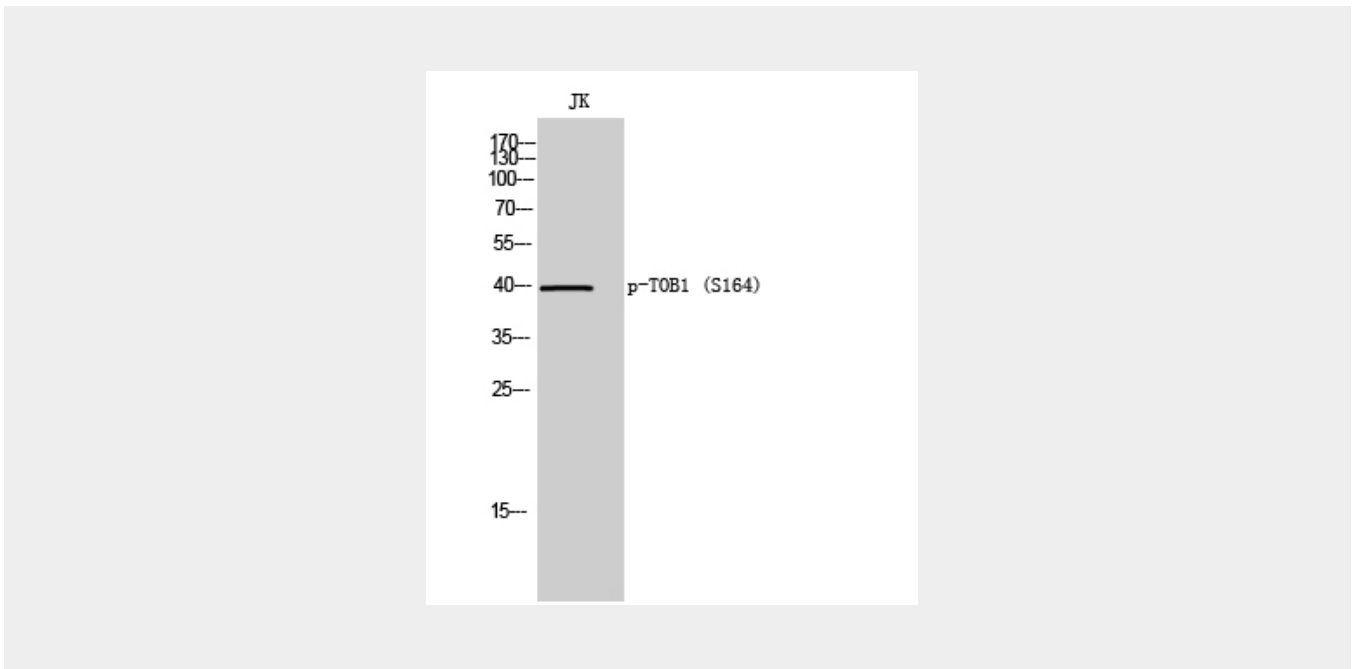
Ubiquitous.

### TOB1 (phospho Ser164) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TOB1 (phospho Ser164) Polyclonal Antibody - Images



### TOB1 (phospho Ser164) Polyclonal Antibody - Background

Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex (PubMed:8632892, PubMed:23236473). Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay (PubMed:21336257).