

## Anti-DEPTOR Polyclonal Antibody 3

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 46 kDa. Actual: 48 kDa.
Purification:	Protein A purified

### Applications

1. Sample: SW480 (Human) Cell Lysate at 30 µg  
Primary: Anti-DEPTOR (TMAB-05090) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 46 kD  
Observed band size: 46 kD

2. Sample:

Verified Activity:

Lane 1: Mouse Cerebellum tissue lysates  
Lane 2: Mouse Liver tissue lysates  
Lane 3: Rat Cerebellum tissue lysates  
Lane 4: Rat Spleen tissue lysates  
Primary: Anti-DEPTOR (TMAB-05090) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 46 kDa  
Observed band size: 48 kDa

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 DEPTOR

Antigen Species: Human

Gene ID: 64798

Uniprot ID: Q8TB45

### Research Background

DEPTOR (DEP domain containing MTOR-interacting protein), also known as DEP.6 or DEPDC6 (DEP domain-containing protein 6), is a 409 amino acid protein that negatively regulates mTORC1 and mTORC2 pathways. DEPTOR interacts with FRAP via its PDZ domain, and undergoes post-translational phosphorylation. Containing two DEP domains and one PDZ (DHR) domain, DEPTOR is encoded by a gene that maps to human chromosome 8q24.12. Chromosome 8 consists of nearly 146 million base pairs, encodes over 800 genes and is associated with a variety of

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diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

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

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