

Anti-DEPTOR Polyclonal Antibody

Product Details

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

Applications

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|--------------------|---|
| Sample: | Lane 1: Mouse Muscle tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Mouse Liver tissue lysates Lane 4: Rat Muscle tissue lysates |
| Verified Activity: | Lane 5: Rat Cerebellum tissue lysates Lane 6: Rat Spleen tissue lysates Primary: Anti-DEPTOR (TMAB-05091) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kDa Observed band size: 46 kDa |
| Application: | WB |
| Recommended | WB: 1:500-2000 |

Properties

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| 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

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| 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 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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