

Thor Antibody

Catalog No: #SAB323



Package Size: #SAB323-1 50ul #SAB323-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Thor Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	Custom antibody
Species Reactivity	Fruit fly
Immunogen Type	Peptide-KLH
Target Name	Thor
Other Names	4E-binding protein Thor; Eukaryotic translation initiation factor 4E-binding protein; eIF4E-binding protein; 4E-BP; d4E-BP
Accession No.	uniprot:Q9XZ56
Calculated MW	13kDa
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Western blotting: 1:500~1:1000

Background

Repressor of translation initiation that regulates eIF4E1 activity by preventing its assembly into the eIF4F complex (PubMed:11389445, PubMed:19804760, PubMed:25702871). Hypophosphorylated form competes with eIF4G1 and strongly binds to eIF4E1, leading to repress translation (PubMed:25702871). In contrast, hyperphosphorylated form dissociates from eIF4E1, allowing interaction between eIF4G1 and eIF4E1, leading to initiation of translation (PubMed:25702871).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.