



# TRAK1 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-06285                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | TRAK1 KIAA1042 OIP106                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>                 | TRAK1 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                           |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                    |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>                    | 106 kDa O-GlcNAc transferase-interacting protein;KIAA1042;OIP106;Protein Milton;Trafficking kinesin-binding protein 1;TRAK1;TRAK1 KIAA1042 OIP106; Trafficking kinesin-binding protein 1 (106 kDa O-GlcNAc transferase-interacting protein)                                                                                              |
| <b>Observed Band</b>               | 64 kDa                                                                                                                                                                                                                                                                                                                                   |
| <b>Calculated Molecular Weight</b> | 953 aa, 106 kDa                                                                                                                                                                                                                                                                                                                          |
| <b>Cell Pathway</b>                | Cytoplasm . Nucleus . Mitochondrion . Early endosome . Endosome . Mitochondrion membrane . Cytoplasm, cell cortex . Predominantly associated with early endosome. The localization to early endosomes depends on its interaction with HGS/HRS (PubMed:18675823). Colocalizes with MGARP at the mitochondria (PubMed:19528298). .         |
| <b>Tissue Specificity</b>          | High expression in spinal cord and moderate expression in all other tissues and specific brain regions examined. Expressed in all cell lines examined.                                                                                                                                                                                   |
| <b>Function</b>                    | PTM:O-glycosylated.,similarity:Contains 1 HAP1 N-terminal domain., subunit:Interacts with O-GlcNAc transferase. Interacts with RHOT1/Miro-1 and RHOT2/Miro-2.,tissue specificity:High expression in spinal cord and moderate expression in all other tissues and specific brain regions examined. Expressed in all cell lines examined., |

**Background**

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subunit:Interacts with O-GlcNAc transferase. Interacts with RHOT1/Miro-1 and  
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**matters needing  
attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For  
more information, please consult technical personnel.

**Products Images**