SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-TRAK1 antibody

SL5536R

Product Name:	TRAK1
Chinese Name:	驱动蛋白Binding protein1抗体
Alias:	106 kDa O-GlcNAc transferase-interacting protein; 106 kDa O GlcNAc transferase interacting protein; KIAA1042; OGT(O Glc NAc transferase) interacting protein 106 KDa; OIP106; TRAK1_HUMAN; Trafficking kinesin binding protein 1; Trafficking kinesin-binding protein 1; Trafficking protein kinesin binding 1; TRAK 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	106kDa
Cellular localization:	The nucleuscytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TRAK1:171-270/953
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The specific function of TRAK1 remains unknown. It interacts with O-GlcNAc transferase, RHOT1/Miro-1 and RHOT2/Miro-2. It shows high expression in spinal cord and moderate expression in all other tissues and specific brain regions examined.

Function:
Involved in the regulation of endosome-to-lysosome trafficking, including endocytic trafficking of EGF-EGFR complexes and GABA-A receptors.

Subunit:
Interacts with O-GlcNAc transferase. Interacts with RHOT1/Miro-1 and RHOT2/Miro-2. Interacts with HGS. Interacts with GABRA1. Interacts with KIF5C.

Subcellular Location:
Cytoplasm. Nucleus. Mitochondrion. Early endosome. Endosome.

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.

Post-translational modifications:
O-glycosylated.

Similarity:
Contains 1 HAP1 N-terminal domain.

SWISS:
Q9UPV9

Gene ID:
22906

Database links:

Entrez Gene: 22906Human
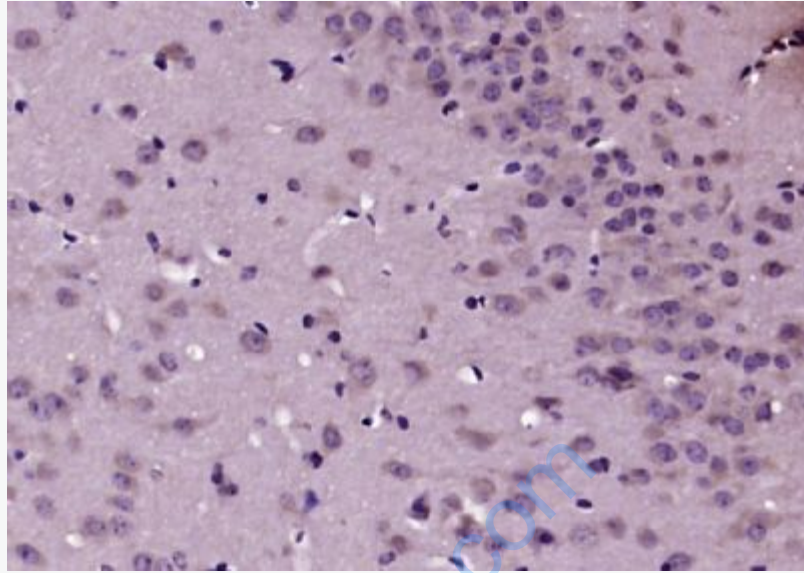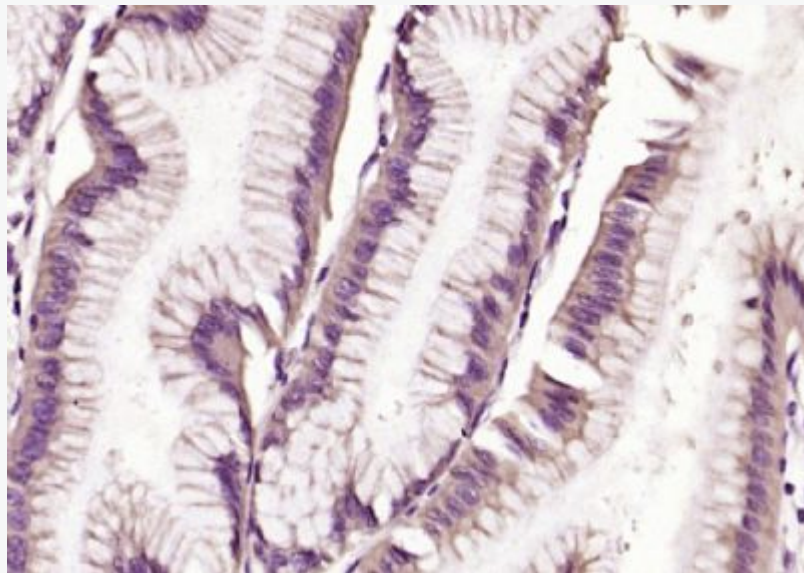
Omim: 608112Human

SwissProt: Q9UPV9Human

Unigene: 535711Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

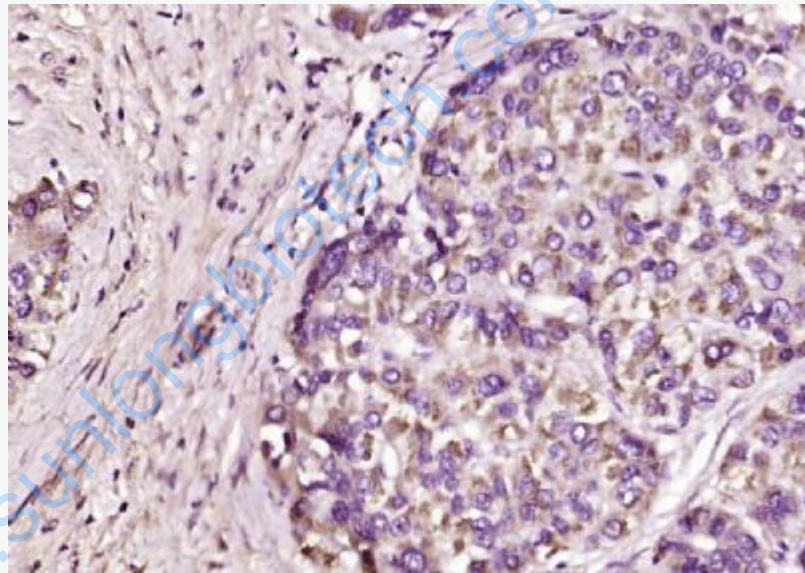|	
Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRAK1) Polyclonal Antibody, Unconjugated (SL5536R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

 |

	Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRAK1) Polyclonal Antibody, Unconjugated (SL5536R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.
	Paraformaldehyde-fixed, paraffin embedded (human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRAK1) Polyclonal Antibody, Unconjugated (SL5536R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.