SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DOPEY1 antibody

Catalog Number: SL14409R

FOR RESEARCH USE ONLY

[DATASHEET]

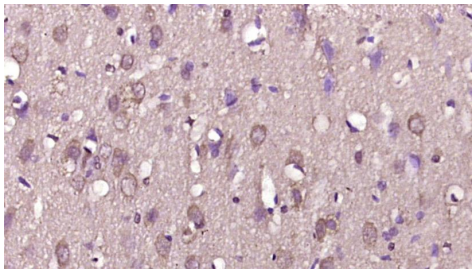
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DOPEY1
Immunogen:	KLH conjugated synthetic peptide derived from human DOPEY1: 351-450/2465
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	277kDa
Subcellular Location:	cytoplasmic
Background:	Dopey-1 is a 2,465 amino acid protein that is thought to be involved in protein trafficking between the late golgi and early endosomes and may be involved in neurological alternations and mental retardation associated with Down syndrome. The gene encoding Dopey-1 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6. **Function:** May be involved in protein traffic between late Golgi and early endosomes.

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

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	Similarity: Belongs to the dopey family. **Database links:** **Entrez Gene:** 23033 Human **Entrez Gene:** 320615 Mouse **SwissProt:** Q5JWR5 Human **SwissProt:** Q8BL99 Mouse **Unigene:** 520246 Human **Unigene:** 708998 Human **Unigene:** 245500 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (DOPEY1) Polyclonal Antibody, Unconjugated (SL14409R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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