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

[Primary Antibody]

Rabbit Anti-DOPEY2 antibody

Catalog Number: SL14410R

FOR RESEARCH USE ONLY

[DATASHEET]

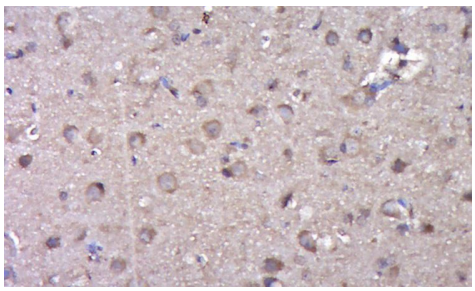
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DOPEY2
Immunogen:	KLH conjugated synthetic peptide derived from human DOPEY2: 51-150/2298
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. 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.:	258kDa
Subcellular Location:	cytoplasmic Extracellular matrix Secretory protein
Background:	Dopey-2 is a 2,298 amino acid protein that is ubiquitously expressed with high levels found in the developing central nervous system where it is thought to play a role in protein trafficking between early endosomes and the late Golgi. Multiple isoforms of Dopey-2 exist due to alternative splicing events. The gene encoding Dopey-2 maps to human chromosome 21 and may be involved in the pathogenesis of Down syndrome. The smallest of the human chromosomes, chromosome 21 comprises about 1.5% of the human genome and contains nearly 300 genes and 47 million base pairs. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. Alzheimer's disease, Jervell and Lange-Nielsen syndrome and amyotrophic lateral sclerosis are also associated with chromosome 21.

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

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

	Translocations are found to occur between chromosome 21 and 8, and chromosome 21 and 12, in certain leukemias. **Function:** May be involved in protein traffic between late Golgi and early endosomes. **Tissue Specificity:** Ubiquitously expressed. Overexpressed in lymphoblasts from Down syndrome patients. DISEASE: Abundantly expressed in developing central nervous system, with highest levels in cerebellum and lowest in telencephalon. **Similarity:** Belongs to the dopey family. **Database links:** **Entrez Gene:** 9980 Human **Entrez Gene:** 70028 Mouse Omim: 604803 Human **SwissProt:** Q9Y3R5 Human **SwissProt:** Q3UHQ6 Mouse **Unigene:** 204575 Human **Unigene:** 23230 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 (DOPEY2) Polyclonal Antibody, Unconjugated (SL14410R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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