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Rabbit Anti-PHYHIP antibody

SL11925R

Product Name:	PHYHIP
Chinese Name:	植烷酰辅酶A羟化酶2相互作用蛋白抗体
Alias:	DYRK1A interacting protein 3; DYRK1AP3; PAHX AP1; PAHXAP1; phytanoyl CoA 2 hydroxylase interacting protein; phytanoyl CoA alpha hydroxylase associated protein; Phytanoyl CoA hydroxylase associated protein 1; Phytanoyl CoA hydroxylase interacting protein; Similar to a putative C.elegans gene encoded in cosmid M01B2; PHYIP_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	38kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PHYHIP:231-330/330
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:	PHYHIP (Phytanoyl-CoA hydroxylase-interacting protein) is a 330 amino acid protein that is strongly expressed in brain, with weak expression in ovary, small intestine and ovary. In transgenic mice, overexpression of PHYHIP in heart results in tachycardia and tachyarrhythmia. PHYHIP interacts with the Refsum disease gene product, PAHX,

indicating that PHYHIP may play a role in the CNS deficits of Refsum disease, which is characterized by cerebellar degeneration, neurologic damage and peripheral neuropathies. PHYHIP also interacts with Dyrk1A, a protein that that is overexpressed in brain of Down-syndrome patients, therefore PHYHIP may participate in some of the neurological abnormalities of Down syndrome. Significantly, the gene encoding PHYHIP is localized to a region of the short arm of human chromosome 8 that is frequently found deleted in prostate, breast and several other types of cancers.

Function:
PHYHIP interacts with PHYH, suggesting a role in the development of the central nervous system. It may be involved in the development of neurological abnormalities observed in Down syndrome patients.

Subunit:
Interacts with PHYH and BAI1.

Subcellular Location:
Protein binding

Tissue Specificity:
Highly expressed in the brain.

Similarity:
Belongs to the PHYHIP family.
Contains 1 fibronectin type-III domain.

SWISS:
Q92561

Gene ID:
9796

Database links:

Entrez Gene: 616243Cow

Entrez Gene: 9796Human

Entrez Gene: 105653Mouse

Entrez Gene: 290356Rat

Omim: 608511Human

SwissProt: Q0VD34Cow

SwissProt: Q92561Human

SwissProt: Q8K0S0Mouse

	SwissProt: Q568Z9Rat Unigene: 334688Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.