



## Rabbit Anti-PHYHIP/FITC Conjugated antibody

SL11925R-FITC

<b>Product Name:</b>	Anti-PHYHIP/FITC
<b>Chinese Name:</b>	FITC标记的植烷酰辅酶A羟化酶2相互作用蛋白抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	38kDa
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PHYHIP
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>Product Detail:</b>	<b>background:</b> 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 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.

**Database links:**

UniProtKB/Swiss-Prot: Q92561.1

**Important Note:**

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