BT LAB
Bioassay Technology Laboratory
Optimize Your Research

INP5E Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10393
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 490-570
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	72 kDa inositol polyphosphate 5-phosphatase
Synonyms	72 kDa inositol polyphosphate 5-phosphatase ;EC 3.1.3.36;Phosphatidylinositol 4,5-bisphosphate 5-phosphatase;Phosphatidylinositol polyphosphate 5-phosphatase type IV

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4,5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking. Mutations in this gene cause Joubert syndrome; a clinically and genetically heterogenous group of disorders characterized by midbrain-hindbrain malformation and various associated ciliopathies that include retinal dystrophy, nephronophthisis, liver fibrosis and polydactyly. Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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