SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FLJ44817 antibody

Catalog Number: SL16143R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FLJ44817
Immunogen:	KLH conjugated synthetic peptide derived from human FLJ44817: 151-250/404
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 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Sheep)
Predicted MW.:	46kDa
Background:	Chromosome 14 contains about 700 genes and 106 million base pairs and makes up about 3.5% of human cellular DNA. Chromosome 14 encodes the presinilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease. The SERPINA1 gene is located on chromosome 14 and when defective leads to the genetic disorder α1-antitrypsin deficiency. This disorder is characterized by severe lung complications and liver dysfunction. Notably, the immunoglobulin heavy chain locus is found on chromosome 14 and has been identified as a fusion with the chromosome 19 encoded protein BCL3 in the (14;19) translocations found in a variety of B cell malignancies. The FLJ44817 gene product has been provisionally designated FLJ44817 pending further characterization.

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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	Function: Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane. **Subunit:** Interacts with MPDZ and PTPN13. **Subcellular Location:** Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus. Note=Locates to the plasma membrane after treatments that stimulate the production of PtdIns3,4P2. **Tissue Specificity:** Highly expressed in skeletal muscle, thymus, pancreas, placenta and lung. Detected at low levels in brain, heart, peripheral blood leukocytes, testis, ovary, spinal cord, thyroid, kidney, liver, small intestine and colon. **Similarity:** Contains 2 PH domains. **Database links:** **Entrez Gene:** 400224 Human **Entrez Gene:** 217682 Mouse **Entrez Gene:** 500685 Rat **SwissProt:** A6NEE1 Human **SwissProt:** B2RPU2 Mouse **SwissProt:** B1WBU8 Rat **Unigene:** 509796 Human

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