

KIAA1737 Rabbit pAb

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Catalog # AP56520

Product Information

Application	WB
Primary Accession	Q9C0C6
Reactivity	Mouse
Predicted	Rat, Dog, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42692
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIAA1737
Epitope Specificity	1-100/399
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus {ECO:0000250}. Note=Co-localizes with CLOCK in the nucleus
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KIAA1737 is a 399 amino acid protein that is encoded by a gene that maps to human chromosome 14q24.3. 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 presenilin 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 α 1-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.

Additional Information

Gene ID	85457
Other Names	CLOCK-interacting pacemaker, CLOCK-interacting circadian protein, CIPC, KIAA1737
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

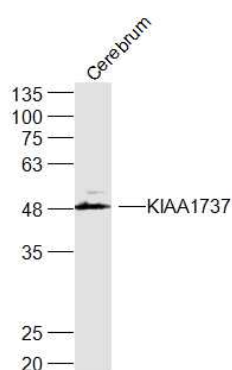
Protein Information

Name	CIPC
Synonyms	KIAA1737
Function	Transcriptional repressor which may act as a negative- feedback regulator of CLOCK-BMAL1 transcriptional activity in the circadian-clock mechanism. May stimulate BMAL1-dependent phosphorylation of CLOCK. However, the physiological relevance of these observations is unsure, since experiments in an animal model showed that CIPC is not critically required for basic circadian clock.
Cellular Location	Nucleus. Cytoplasm, cytosol. Note=Predominantly localizes to the nucleus, where it co-localizes with CLOCK. At the G1/S boundary, partially translocated to the cytosol. {ECO:0000250 UniProtKB:Q8R0W1, ECO:0000269 PubMed:26657846}

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Images



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-KIAA1737 (AP56520) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kD
Observed band size: 48 kD

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