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C21orf2 Rabbit pAb

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Catalog # AP59450

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O43822
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28340
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C21orf2
Epitope Specificity	1-100/256
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. To C.elegans F09G8.5.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The smallest of the human chromosomes, 21 makes up about 1.5% of the human genome. Chromosome 21 contains nearly 300 genes and 47 million base pairs. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. Alzheimer's disease, Jervell and Lange-Nielsen syndrome and amyotrophic lateral sclerosis are also associated with chromosome 21. Translocations are found to occur between chromosome 21 and 8, and chromosome 21 and 12, in certain leukemias. The C21orf2 gene product has been provisionally designated C21orf2 pending further characterization.

Additional Information

Gene ID	755
Other Names	Cilia- and flagella-associated protein 410 {ECO:0000312|HGNC:HGNC:1260}, C21orf-HUMF09G8.5, Leucine-rich repeat-containing protein 76, YF5/A2, CFAP410 (HGNC:1260)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	CFAP410 (HGNC:1260)
Function	Plays a role in cilia formation and/or maintenance (By similarity). Plays a role in the regulation of cell morphology and cytoskeletal organization (PubMed:21834987). Involved in DNA damage repair (PubMed:26290490).
Cellular Location	Mitochondrion. Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium, photoreceptor outer segment. Cytoplasm Note=Colocalizes with NEK1 and SPATA7 at the basal body
Tissue Location	Widely expressed (PubMed:26974433, PubMed:9325172). Expressed in the retina (PubMed:26294103)

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