

C14orf106 Rabbit pAb

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Catalog # AP59308

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6P0N0
Predicted	Rat, Pig, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129085
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KNL2/C14orf106
Epitope Specificity	32-130/1132
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. Chromosome. Chromosome, centromere. Note=Associated with centromeres in interphase cells, from late anaphase to the G1 phase. Not detected on centromeres during earlier phases of mitosis. Associated with chromatin.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C14orf106 is required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis. It interacts with SP1. There are two isoforms. 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 -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 C14orf106 gene product has been provisionally designated C14orf106 pending further characterization.

Additional Information

Gene ID	55320
Other Names	Mis18-binding protein 1, Kinetochore-associated protein KNL-2 homolog, HsKNL-2, P243, MIS18BP1, C14orf106, KIAA1903, KNL2, M18BP1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

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.
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Protein Information

Name	MIS18BP1
Synonyms	C14orf106, KIAA1903, KNL2, M18BP1
Function	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.
Cellular Location	Nucleus. Chromosome, centromere. Note=Associated with centromeres in interphase cells, from late anaphase to the G1 phase. Not detected on centromeres during earlier phases of mitosis Associated with chromatin.

Background

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