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OIP-5/CT86 Rabbit pAb

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Catalog # AP59088

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O43482
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24691
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OIP-5
Epitope Specificity	131-229/229
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. 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	OIP5 is a 229 amino acid nuclear protein that is required for chromosome segregation during mitosis. OIP5 exists as a homodimer but can also heterodimerize with FASP1 (FAPP1-associated protein 1). Essential for the recruitment of CENP-A (centromere autoantigen A) to centromeres, OIP5 localizes to centromeres of interphase cells during late anaphase and G1. The gene encoding OIP5 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

Additional Information

Gene ID	11339
Other Names	Protein Mis18-beta, Cancer/testis antigen 86, CT86, Opa-interacting protein 5, OIP-5, OIP5 {ECO:0000303|PubMed:9466265}, MIS18B
Dilution	WB=1:500-2000,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	OIP5 {ECO:0000303|PubMed:9466265}
Synonyms	MIS18B
Function	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.
Cellular 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

Background

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