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EAN57 Rabbit pAb

Catalog # AP98597

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O43247
Other Accession	O43247
Reactivity	Mouse
Predicted	Rat, Pig, Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30725
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EAN57
Epitope Specificity	201-280/280
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	EAN57 is a 59 amino acid protein encoded by the C22orf33 protein. Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a surprising variety of interesting genes. Phelan-McDermid syndrome, Neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein, BCR-Abl, a potent cell proliferation activator found in several types of leukemia.

Additional Information

Gene ID	339669
Other Names	C22orf33; EAN57; TEX33; cE81G9.2; CMIP4_HUMAN; CIMIP4; Testis-expressed protein 33;
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	CIMIP4 (HGNC:28568)
Synonyms	C22orf33, EAN57, TEX33
Function	Seems to be associated with spermiogenesis but is not essential for sperm development and male fertility.
Cellular Location	Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9D9J2}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9D9J2}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.