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EAN57 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16780a

Product Information

Application	WB, E
Primary Accession	O43247
Other Accession	NP_848647.1, NP_001157329.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35923
Calculated MW	30725
Antigen Region	1-30

Additional Information

Gene ID	339669
Other Names	Testis-expressed sequence 33 protein, TEX33, C22orf33, EAN57
Target/Specificity	This EAN57 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human EAN57.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EAN57 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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}

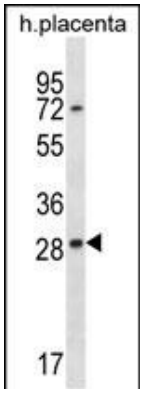
Background

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.

References

Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :

Images



EAN57 Antibody (N-term) (Cat. #AP16780a) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the EAN57 antibody detected the EAN57 protein (arrow).