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C1ORF111 Rabbit pAb

Catalog # AP96180

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q5T0L3
Other Accession	Q5T0L3
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29150
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C1ORF111
Epitope Specificity	41-140/261
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	Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf111 gene product has been provisionally designated C1orf111 pending further characterization.

Additional Information

Gene ID	284680
Other Names	C1orf111; HSD20; TEKT2BP2; SPT46_HUMAN; SPATA46; spermatogenesis associated 46; chromosome 1 open reading frame 111
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	SPATA46 (HGNC:27648)
Synonyms	C1orf111
Function	Plays a role in spermiogenesis and fertilization.
Cellular Location	Nucleus membrane {ECO:0000250|UniProtKB:Q4FZF2}. Note=Located throughout the subacrosomal area {ECO:0000250|UniProtKB:Q4FZF2}
Tissue Location	Testis-specific (PubMed:27488028).

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