

C2orf57 Rabbit pAb

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Catalog # AP59395

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q53QW1
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41589
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C2orf57
Epitope Specificity	21-120/395
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 C2orf57, also known as MGC35154, is a 395 amino acid protein encoded by a gene that maps to human chromosome 2q37.1. As the second largest human chromosome, chromosome 2 makes up approximately 8% of the human genome and contains 237 million bases encoding over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome, is related to mutations in the ALMS1 gene. Chromosome 2 contains a probable vestigial second centromere as well as vestigial telomeres, which gives credence to the hypothesis that human chromosome 2 formed as a result of an ancient fusion of two ancestral chromosomes, which are still present in modern day apes.

Additional Information

Gene ID	165100
Other Names	Testis-expressed protein 44, TEX44 (HGNC:28563), C2orf57
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	TEX44 (HGNC:28563)
Synonyms	C2orf57
Cellular Location	Cytoplasm.
Tissue Location	Testis. Detected in germ cells at all stages of the seminiferous epithelium, strong expression in elongating spermatids (at protein level) (PubMed:26168773).

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