

**KIAA1683 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56517****Specification****KIAA1683 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9H0B3</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIAA1683
Epitope Specificity	551-650/1180
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 6 IQ domains.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
DISEASE	Contains 6 IQ domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

KIAA1683 is a 1,180 amino acid protein that contains six IQ domains, exists as three alternatively spliced isoforms, and is encoded by a gene that maps to human chromosome 19p13.11. Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families, and Fc $\alpha$  receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

**KIAA1683 Polyclonal Antibody - Additional Information****Gene ID** 80726**Other Names**

IQ domain-containing protein N {ECO:0000312|HGNC:HGNC:29350}, IQCN ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=29350](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=29350)), KIAA1683

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**KIAA1683 Polyclonal Antibody - Protein Information**

**Name** IQCN ([HGNC:29350](#))

**Synonyms** KIAA1683

**Function**

Essential for spermiogenesis and fertilization (PubMed:<a href="http://www.uniprot.org/citations/36321563" target="\_blank">36321563</a>). May be required for manchette assembly in elongating spermatids (By similarity).

**KIAA1683 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**KIAA1683 Polyclonal Antibody - Images**