



# Anti-PCNA monoclonal antibody, clone QD21 [FITC] (DCABH-9564)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to PCNA - Proliferation Marker (FITC)
<b>Antigen Description</b>	This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerases processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3-5 exonuclease and 3-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2.
<b>Specificity</b>	This antibody is specific for PCNA p36 protein expressed at high levels in proliferating cells.
<b>Immunogen</b>	Protein A-rat PCNA (proliferating cell nuclear antigen) fusion obtained from pC2T.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Chicken, Human, Fruit fly, Zebrafish
<b>Clone</b>	QD21
<b>Conjugate</b>	FITC
<b>Applications</b>	ICC/IF
<b>Positive Control</b>	IF/ICC: methanol fixed MCF7 cells.
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.02% Sodium Azide; Constituents: PBS

<b>Preservative</b>	0.02% Sodium Azide
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<b>Storage</b>	Store at +4°C.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pcna proliferating cell nuclear antigen [ Rattus norvegicus ]</a>
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<b>Official Symbol</b>	PCNA
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<b>Synonyms</b>	PCNA; proliferating cell nuclear antigen; cyclin; PCNAR; Pcna/cyclin;
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<b>Entrez Gene ID</b>	<a href="#">25737</a>
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<b>Protein Refseq</b>	<a href="#">NP_071776</a>
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<b>UniProt ID</b>	<a href="#">P04961</a>
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<b>Pathway</b>	BRCA1-associated genome surveillance complex (BASC), organism-specific biosystem; Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem;
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<b>Function</b>	DNA binding; DNA polymerase processivity factor activity; MutLalpha complex binding; MutLalpha complex binding; dinucleotide insertion or deletion binding; dinucleotide insertion or deletion binding; identical protein binding; identical protein binding; p
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