

Rabbit RECQL5 Polyclonal Antibody | anti-RECQL5 antibody

RECQL5 Antibody

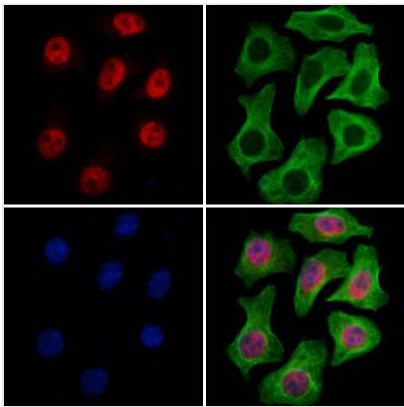
CATALOG # AAA31264	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted Reactivity: Pig(86%)	APPLICATIONS ELISA
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PRODUCT SYNONYMS

RECQL5; Polyclonal Antibody; RECQL5 Antibody; ATP-dependent DNA helicase Q5; DNA helicase; RecQ like type 5; RECQ-like; type 5; EC 3.6.1.-; FLJ90603; RecQ helicase protein-like 5 beta; RecQ protein-like 5; isoform CRA_b; RecQ-like type 5; RecQ5; RECQ5_HUMAN; Recq5b; Recql5b; anti-RECQL5 antibody

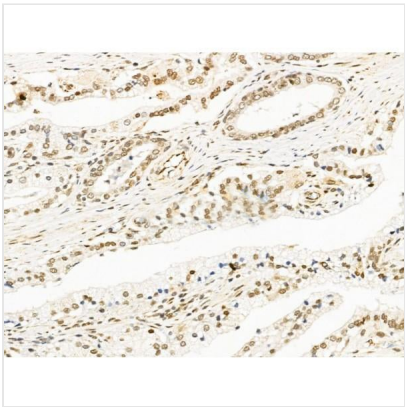
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(86%)
Clonality	Polyclonal
Isotype	IgG
Specificity	RECQL5 Antibody detects endogenous levels of total RECQL5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	991
Applicable Applications for anti-RECQL5 antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human RECQL5, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



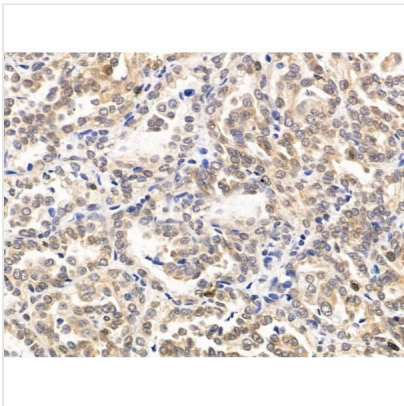
IF (Immunofluorescence)

AAA31264 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31264 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



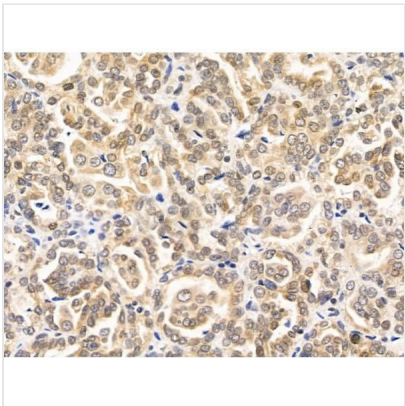
IHC (Immunohistochemistry-Paraffin)

AAA31264 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31264 at 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



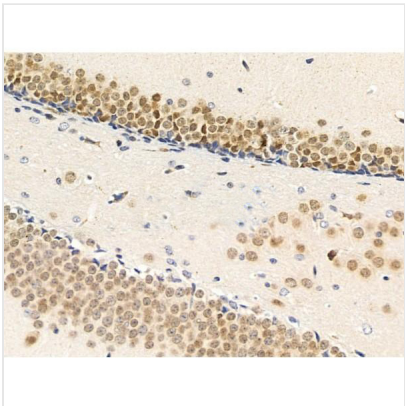
IHC (Immunohistochemistry-Paraffin)

AAA31264 at 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31264 at 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31264 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RECQL5 antibody	Function: Isoform beta is a DNA helicase that plays an important role in DNA replication, transcription and repair. Inhibits elongation of stalled transcripts at DNA damage sites by binding to the RNA polymerase II subunit POLR2A and blocking the TCEA1 binding site. Required for mitotic chromosome separation after cross-over events and cell cycle progress. Required for efficient DNA repair, including repair of inter-strand cross-links. Stimulates DNA decatenation mediated by TOP2A. Prevents sister chromatid exchange and homologous recombination. Subcellular Location: Nucleus>Nucleoplasm. Note: Recruited to sites of DNA damage, such as single-strand breaks and inter-strand cross-links, and at stalled replication forks.Cytoplasm. Cytoplasm. Tissue Specificity: Ubiquitous. Subunit Structure: Monomer. Interacts with TOP2A, TOP3A and TOP3B. Isoform beta interacts with RNA polymerase II subunit POLR2A. Identified in a complex with the RNA polymerase II core bound to DNA. Isoform beta interacts with RAD51. Similarity: Belongs to the helicase family. RecQ subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22654276
NCBI GeneID	9400
UniProt Accession #	O94762
Molecular Weight	Observed Molecular Weight: (Observed)108kD. Predicted Molecular Weight: (Calculated)109kDa.
NCBI Official Full Name	ATP-dependent DNA helicase Q5
NCBI Official Synonym Full Names	RecQ like helicase 5
NCBI Official Symbol	RECQL5
NCBI Official Synonym Symbols	RECQ5
NCBI Protein Information	ATP-dependent DNA helicase Q5
UniProt Protein Name	ATP-dependent DNA helicase Q5
UniProt Gene Name	RECQL5
UniProt Synonym Gene Names	RECQ5; RecQ5
UniProt Entry Name	RECQ5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.