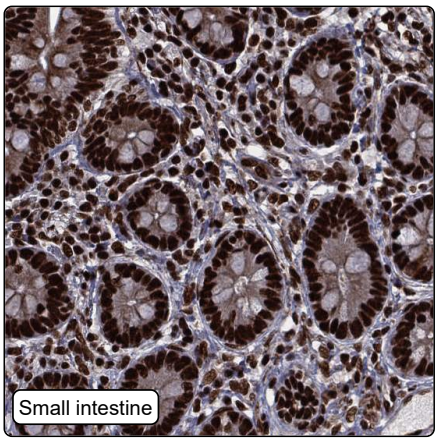
CPTC-RECQL-1 (CAB080253)

Uniprot ID: P46063
Protein name: RECQ1_HUMAN
Full name: ATP-dependent DNA helicase Q1
Tissue specificity: High expression in heart, lung, skeletal muscle and kidney, low expression in brain.
Function: DNA helicase that may play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction.
Subcellular location:
Nucleus (*experimental evidence*)
Protein existence: Experimental evidence at protein level

Comment:

Immunohistochemistry



IHC protocol:	HIER pH6, Dilution 1:4000
IHC test staining:	Nuclear positivity in most tissues.
Literature conformance:	Consistent with extensive gene/protein characterization data
Literature significance:	
RNA similarity:	High consistency between antibody staining and RNA expression data
RNA tissue specificity:	Low tissue specificity
RNA tissue distribution:	Detected in all
IHC Sibling similarity:	Other antibody shows partly similar IHC staining pattern
Reliability score:	Supported
APE summary:	General nuclear expression.
APE explanatory sentences:	High consistency between antibody staining and RNA expression data.
Orthogonal validation:	No
Independent validation:	No
IHC Annotation summary:	All normal tissues showed strong nuclear staining. All cancers showed strong nuclear staining.