

Datasheet for ABIN2779342
anti-RAD17 antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	RAD17
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Cow, Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD17 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RAD17
Sequence:	MNQVTDWVDP SFDDFLECSG VSTITATSLG VNNSSHRRKN GPSTLESSRF
Predicted Reactivity:	Cow: 89%, Dog: 100%, Horse: 92%, Human: 100%, Pig: 100%, Rabbit: 100%, Rat: 89%
Characteristics:	This is a rabbit polyclonal antibody against RAD17. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RAD17
Alternative Name:	RAD17 (RAD17 Products)
Background:	RAD17 is highly similar to the gene product of Schizosaccharomyces pombe rad17, a cell cycle

Target Details

checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by ATR after the damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation.

Alias Symbols: CCYC, FLJ41520, HRAD17, R24L, RAD17SP, RAD24

Protein Interaction Partner: USP20, UBC, PRMT6, CBX7, CBX6, RAD9A, CDH1, ATR, RFC1, H2AFX, FOXO3, ATM, CLSPN, ALK, RAD9B, POLE, HUS1, RAD1, NHP2L1, MCM7, RFC4, RFC5, RFC3, RFC2, POLE4, POLE3, POLE2, PRKDC,

Protein Size: 670

Molecular Weight: 76 kDa

Gene ID: 5884

NCBI Accession: [NM_002873](#), [NP_002864](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 670 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

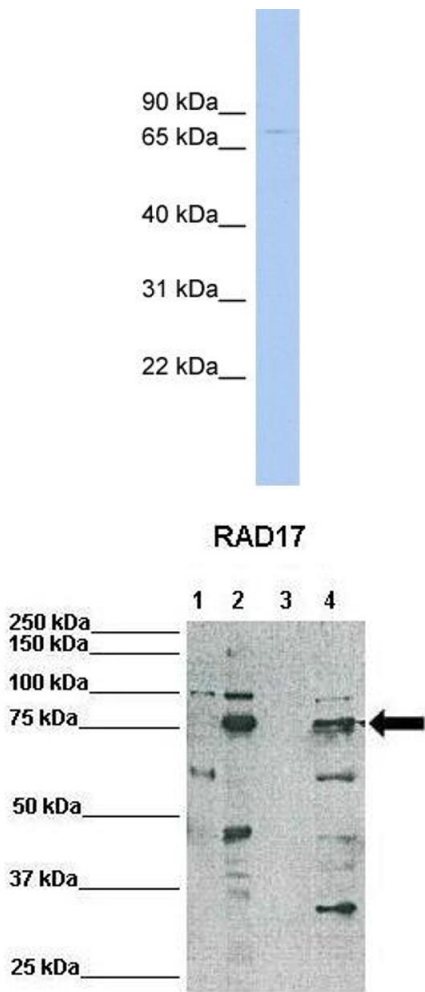
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-RAD17 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: OVCAR-3 cell lysate

Western Blotting

Image 2. WB Suggested Anti-RAD17 Antibody Positive Control:

Lane1: 25ug HeLa lysate, Lane2: 25ug Xenopus laevis egg extract, Lane3: 25ug mouse embryonic stem cell lysate, Lane4: 25ug HEK293T lysate

Primary Antibody Dilution : 1:500 Secondary Antibody : Anti-rabbit-HRP

Secondary Antibody Dilution : 1:3000 Submitted by: Domenico Maiorano, Institute of Human Genetics, CNRS