

Rad21 Monoclonal Antibody

CAB19749

Description

This Rad21 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB19749
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	MGS, HR21, MCD1, NXP1, SCC1, CDLS4, hHR21, HRAD21, Rad21
Clone:	ARC2276
Applications:	WB ChIP ChIP-seq ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	5885
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	130kDa
Calculated MW:	72kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

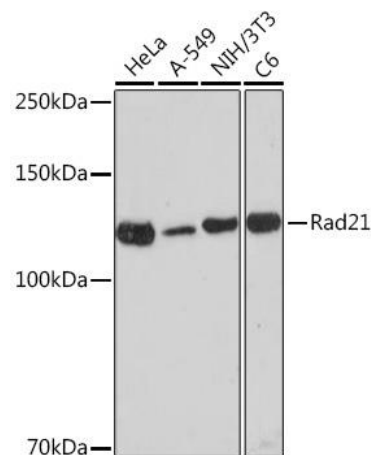
Positive Sample: HeLa, A549, NIH/3T3, C6

Recommended Dilutions:

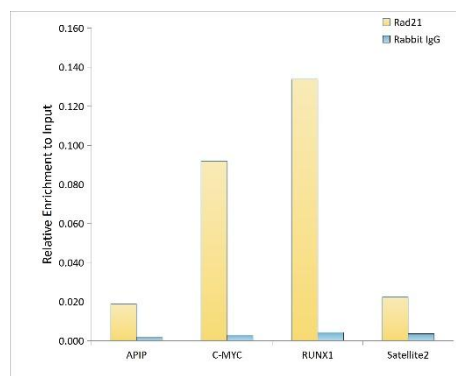
WB	1:1000 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 10µg-15µg of Chromatin ChIP-seq 1:50 - 1:100

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

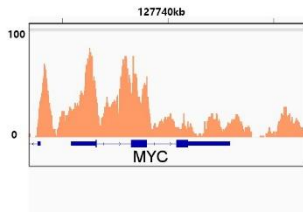
Validation Data



Western blot analysis of various lysates using Rad21 Rabbit mAb (CAB19749) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 180s.



Chromatin immunoprecipitation analysis of extracts of A-549 cells, using Rad21 antibody (CAB19749) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Chromatin immunoprecipitation was performed with 10.7 μ g of cross-linked chromatin from A-549 cells using 5 μ g of Rad21 Rabbit mAb (CAB19749). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina. The ChIP sequencing results indicate the enrichment pattern of Rad21 in the representative genomic region surrounding MYC gene.