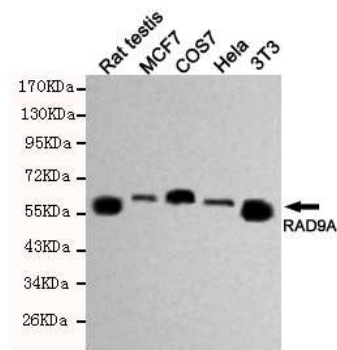


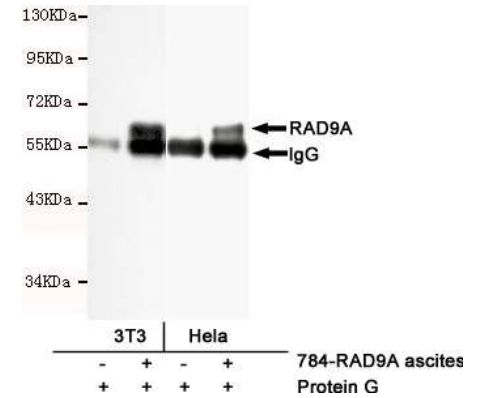
Anti-RAD9A Antibody (3A3-A7-F8)

CATALOG NO:	A1316-100
ALTERNATIVE NAMES:	hRAD9, DNA repair exonuclease rad9 homolog A, RAD9A, Cell cycle checkpoint control protein RAD9A
CLONALITY:	Monoclonal
CLONE:	3A3-A7-F8
AMOUNT:	100 µg
Host/ISOTYPE:	Mouse IgG2b
IMMUNOGEN:	Recombinant human RAD9A protein fragments expressed in <i>E.coli</i>
MOLECULAR WEIGHT:	55 kDa
SPECIES REACTIVITY:	Human, Mouse, Rat, Monkey
SPECIFICITY:	This antibody detects endogenous levels of RAD9A and does not cross-react with related proteins.
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	Purified mouse monoclonal in PBS (pH 7.4) containing with 0.2% sodium azide, 50% glycerol
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinity for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds; endonuclease FEN1 cleavage activity on substrates with double, nick, or gap flaps of distinct sequences and lengths; and DNA ligase I (LIG1) on long-patch base excision repair substrates.
APPLICATION:	WB; 1:500 IP

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot detection of RAD9A in HeLa, MCF7, 3T3, COS7 and Rat testis cell lysates using RAD9A Antibody



Immunoprecipitation analysis of HeLa and 3T3 cell lysates using RAD9A Antibody

RELATED PRODUCTS:

- 5-hmC polyclonal antibody (rabbit) **(Cat. No. 6830)**
- Acetyl Lysine (Biotin) Antibody **(6125)**
- Acetyl-Histone H2A Antibody **(3653)**
- Anti- c-Myb Antibody **(A1212)**

FOR RESEARCH USE ONLY! Not to be used on humans.