



Datasheet for ABIN566046
anti-RAD18 antibody (AA 332-430)



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Overview

Quantity:	100 µg
Target:	RAD18
Binding Specificity:	AA 332-430
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAD18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), RNA Interference (RNAi)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant RAD18.
Immunogen:	RAD18 (NP_064550, 332 a.a. ~ 430 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	EKEIDEIHSK YRKKHKSEFQ LLVDQARKGY KKIAGMSQKT VTITKEDEST EKLSSVCMGQ EDNMTSVTNH FSQSKLDSPE ELEPDREEDS SSCIDIQEV
Clone:	3H7
Isotype:	IgG2b
Cross-Reactivity:	Human, Rat
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	RAD18
Alternative Name:	RAD18 (RAD18 Products)
Background:	Full Gene Name: RAD18 homolog (<i>S. cerevisiae</i>) Synonyms: RNF73
Gene ID:	56852
NCBI Accession:	NM_020165

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Sy, Jiang, O, Deng, Huen: "The ubiquitin specific protease USP34 promotes ubiquitin signaling at DNA double-strand breaks." in: **Nucleic acids research**, Vol. 41, Issue 18, pp. 8572-80, (2013) ([PubMed](#)).

Wong, Aguisa-Touré, Wani, Khosravi, Martinka, Martinka, Li: "Elevated expression of Rad18 regulates melanoma cell proliferation." in: **Pigment cell & melanoma research**, Vol. 25, Issue 2, pp. 213-8, (2012) ([PubMed](#)).

Kato, Waki, Umezawa, Aoki, Utsugi, Ohtsu, Murakami: "Phosphorylation of human INO80 is involved in DNA damage tolerance." in: **Biochemical and biophysical research communications**, Vol. 417, Issue 1, pp. 433-8, (2012) ([PubMed](#)).

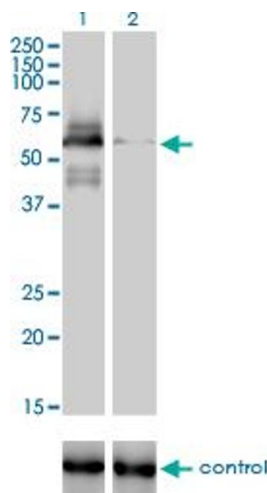
Wong, Lin, Khosravi, Piche, Jafarnejad, Chen, Li: "Tumour suppressor ING1b maintains genomic stability upon replication stress." in: **Nucleic acids research**, Vol. 39, Issue 9, pp. 3632-42, (2011)

) ([PubMed](#)).

Yanagihara, Kobayashi, Tateishi, Kato, Matsuura, Tauchi, Yamada, Takezawa, Sugasawa, Masutani, Hanaoka, Weemaes, Mori, Zou, Komatsu: "NBS1 recruits RAD18 via a RAD6-like domain and regulates Pol γ -dependent translesion DNA synthesis." in: **Molecular cell**, Vol. 43, Issue 5, pp. 788-97, (2011) ([PubMed](#)).

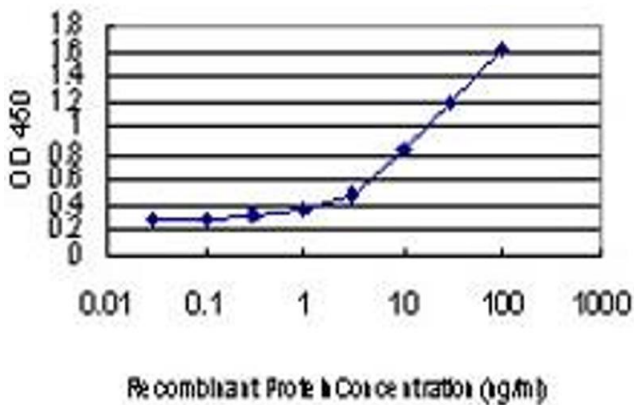
There are more publications referencing this product on: [Product page](#)

Images



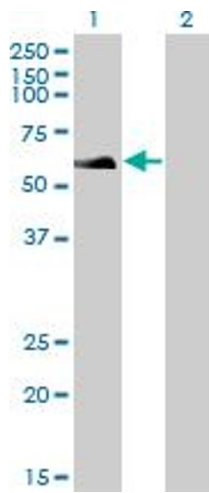
Western Blotting

Image 1. Western blot analysis of RAD18 over-expressed 293 cell line, cotransfected with RAD18 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with RAD18 monoclonal antibody (M01), clone 3H7. GAPDH (36.1 kDa) used as specificity and loading control.



ELISA

Image 2. Detection limit for recombinant GST tagged RAD18 is approximately 0.1ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot analysis of RAD18 expression in transfected 293T cell line by RAD18 monoclonal antibody (M01), clone 3H7.

Lane 1: RAD18 transfected lysate(56.2 kDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN566046.