Datasheet for ABIN522468

anti-RNF8 antibody (AA 1-485)

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Overview

Quantity:	50 µg
Target:	RNF8
Binding Specificity:	AA 1-485
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This RNF8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human RNF8 protein.
Immunogen:	RNF8 (NP_003949.1, 1 a.a. ~ 485 a.a) full-length human protein.
Sequence:	MGEPGFFVTG DRAGGRSWCL RRVGMSAGWL LLEDGCEVTV GRGFGVTYQL VSKICPLMIS RNHCVLKQNP EGQWTIMDNK SLNGVWLNRA RLEPLRVYSI HQGDYIQLGV PLENKENAEY EYEVTEEDWE TIYPCLSPKN DQMIEKNKEL RTKRKFSLDE LAGPGAEGPS NLKSKINKVS CESGQPVKSQ GKGEVASTPS DNLDPKLTAL EPSKTTGAPI YPGFPKVTEV HHEQKASNSS ASQRSLQMFK VTMSRILRLK IQMQEKHEAV MNVKKQTQKG NSKKVVQMEQ ELQDLQSQLC AEQAQQQARV EQLEKTFQEE EQHLQGLEIA QGEKDLKQQL AQALQEHWAL MEELNRSKKD FEAIIQAKNK ELEQTKEEKE KMQAQKEEVL SHMNDVLENE LQCIICSEYF IEAVTLNCAH SFCSYCINEW MKRKIECPIC RKDIKSKTYS LVLDNCINKM VNNLSSEVKE RRIVLIRERK AKRLF
Cross-Reactivity:	Human

Product Details

Characteristics:	Antibody reactive against mammalian transfected lysate.

Target Details

Target:	RNF8
Alternative Name:	RNF8 (RNF8 Products)
Background:	Full Gene Name: ring finger protein 8 Synonyms: FLJ12013,KIAA0646
Gene ID:	9025
NCBI Accession:	NM_003958
Pathways:	Production of Molecular Mediator of Immune Response

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

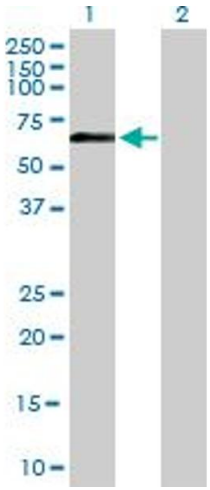
Product cited in:	Hodge, Ismail, Edwards, Hura, Xiao, Tainer, Hendzel, Glover: "RNF8 E3 Ubiquitin Ligase Stimulates Ubc13 E2 Conjugating Activity That Is Essential for DNA Double Strand Break Signaling and BRCA1 Tumor Suppressor Recruitment." in: **The Journal of biological chemistry**, Vol. 291, Issue 18, pp. 9396-410, (2016) (PubMed). Yang, Deng, Hau, Liu, Lau, Cheung, Huen, Tsao: "Epstein-Barr virus BZLF1 protein impairs accumulation of host DNA damage proteins at damage sites in response to DNA damage." in: **Laboratory investigation; a journal of technical methods and pathology**, Vol. 95, Issue 8, pp. 937-50, (2015) (PubMed).

Publications

Hau, Deng, Jia, Yang, Tsurumi, Chiang, Huen, Tsao: "Role of ATM in the formation of the replication compartment during lytic replication of Epstein-Barr virus in nasopharyngeal epithelial cells." in: **Journal of virology**, Vol. 89, Issue 1, pp. 652-68, (2014) (PubMed).

Morris, Boutell, Keppler, Densham, Weekes, Alamshah, Butler, Galanty, Pangon, Kiuchi, Ng, Solomon: "The SUMO modification pathway is involved in the BRCA1 response to genotoxic stress." in: **Nature**, Vol. 462, Issue 7275, pp. 886-90, (2009) (PubMed).

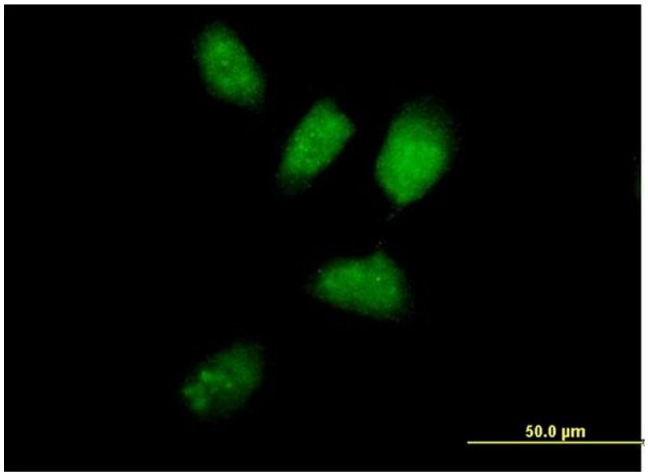
Images



Western Blotting

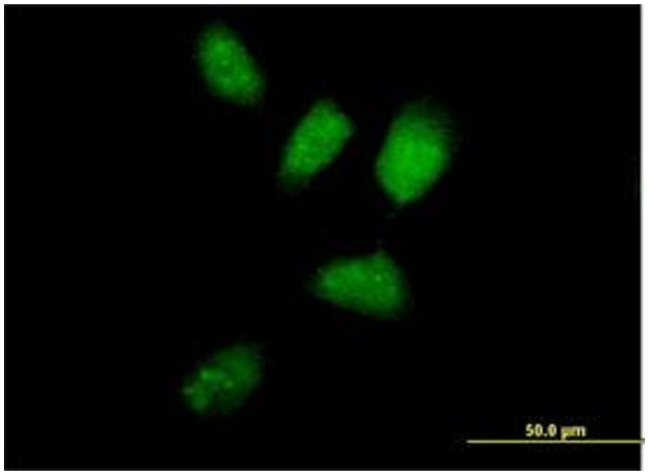
Image 1. Western Blot analysis of RNF8 expression in transfected 293T cell line by RNF8 MaxPab polyclonal antibody.

Lane 1: RNF8 transfected lysate(53.35 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Image 2. Immunofluorescence of purified MaxPab antibody to RNF8 on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence

Image 3. Immunofluorescence of purified MaxPab antibody to RNF8 on HeLa cell. (antibody concentration 10 ㅅg/mL)