

RNF8 Polyclonal Antibody

Catalog number: 14112-1-AP

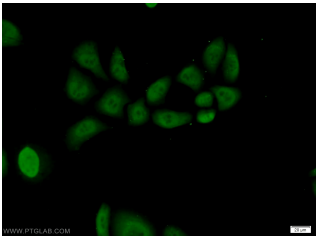
Size: 33 µg/150 µl

Source: Rabbit

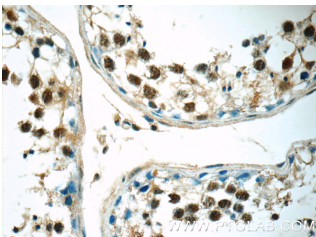
Isotype: IgG

Synonyms:

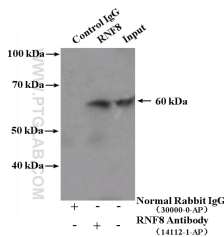
RNF8; FLJ12013, KIAA0646, ring finger protein 8, RNF8



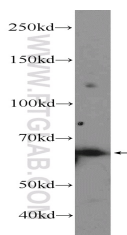
Immunofluorescent analysis of HeLa cells using 14112-1-AP(RNF8 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human testis tissue slide using 14112-1-AP(RNF8 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-RNF8 (IP:14112-1-AP, 4µg; Detection:14112-1-AP 1:600) with HeLa cells lysate 3200µg.



HeLa cells were subjected to SDS PAGE followed by western blot with 14112-1-

Background

RNF8, also named as KIAA0646 or E3 ubiquitin-protein ligase RNF8, is a 485 amino acid protein, which contains one RING-type zinc finger and one FHA domain. RNF8 localizes in the nucleus and belongs to the RNF8 family. E2-E3 ubiquitin ligase complex is composed of the RNF8 homodimer and a E2 heterodimer of UBE2N and UBE2V2. E3 ubiquitin-protein ligase that plays a key role in DNA damage signaling via 2 distinct roles: by mediating the 'Lys-63'-linked ubiquitination of histones H2A and H2AX and promoting the recruitment of DNA repair proteins at double-strand breaks (DSBs) sites, and by catalyzing 'Lys-48'-linked ubiquitination to remove target proteins from DNA damage sites.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated RNF8 MW:	485aa, 56 kDa
Observed RNF8 MW:	56-60 kDa
Positive WB detected in	HeLa cells, HEK-293 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human testis tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5292
GenBank accession number:	BC007517
Gene ID (NCBI):	9025
Full name:	Ring finger protein 8

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**AP(RNF8 Antibody) at
dilution of 1:600**