



Rabbit Anti-RNF212 antibody

SL18326R

Product Name:	RNF212
Chinese Name:	Ring finger protein212抗体
Alias:	LOC285498; FLJ38841; Hypothetical protein LOC285498; OTTHUMP00000147525; Probable E3 SUMO-protein ligase RNF212; RING finger protein 212; RN212_HUMAN; RNF 212; RNF212; ZHP3; ZHP3, C. elegans, homolog of; ZIP3-related protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF212:201-297/297
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a RING finger protein that may function as a ubiquitin ligase. The encoded protein may be involved in meiotic recombination. This gene is located within a linkage disequilibrium block and polymorphisms in this gene may influence recombination rates. Alternate splicing results in multiple transcript variants.[provided

by RefSeq, Oct 2010]

Function:

Key regulator of crossing-over during meiosis: required to couple chromosome synapsis to the formation of crossover-specific recombination complexes. Localizes to recombination sites and stabilizes meiosis-specific recombination factors, such as MutS-gamma complex proteins (MSH4 and MSH5) and TEX11. May act as a SUMO E3 ligase that mediates sumoylation of target proteins MSH4 and/or MSH5, leading to enhance their binding to recombination sites. Acts as a limiting factor for crossover designation and/or reinforcement.

Subcellular Location:

Nucleus. Chromosome. Associates to the synaptonemal complex. Localizes to a minority of double-strand breaks (DSBs) sites. Marks crossover sites during midpachynema.

Similarity:

Contains 1 RING-type zinc finger.

SWISS:

Q495C1

Gene ID:

285498

Database links:

[Entrez Gene: 285498](#) Human

[Omim: 612041](#) Human

[SwissProt: Q495C1](#) Human

[Unigene: 248290](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.