

RNF212 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57041

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q495C1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33365

Additional Information

Gene ID	285498
Other Names	Probable E3 SUMO-protein ligase RNF212, 2.3.2.-, Probable E3 SUMO-protein transferase RNF212, RING finger protein 212, RNF212
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RNF212
Function	SUMO E3 ligase that acts as a 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 mediate 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 and plays an antagonist role with CCNB1IP1/HEI10 in the regulation of meiotic recombination (By similarity).
Cellular Location	Nucleus. Chromosome. Note=Associates to the synaptonemal complex. Localizes to a minority of double-strand breaks (DSBs) sites. Marks crossover sites during midpachynema (By similarity).