

RNF212 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2771a**Specification**

RNF212 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q495C1
Other Accession	NP_919420.1 , 285498
Predicted	Human, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	33365

RNF212 Antibody (internal region) - Additional Information**Gene ID** 285498**Other Names**

Probable E3 SUMO-protein ligase RNF212, 6.3.2.-, RING finger protein 212, RNF212

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF212 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF212 Antibody (internal region) - 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).

RNF212 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF212 Antibody (internal region) - Images**RNF212 Antibody (internal region) - References**

Sequence Variants in the RNF212 Gene Associate with Genomewide Recombination Rate Kong A, Thorleifsson G, Stefansson H, Masson G, Helgason A, Gudbjartsson DF, Jonsdottir GM, Gudjonsson SA, Sverrisson S, Thorlacius T, Jonasdottir A, Hardarson GA, Palsson ST, Frigge ML, Gulcher JR, Thorsteinsdottir U, Stefansson K Science. 2008 Jan 31 PMID: 18239089