
RNF8 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254286

Unit: 0.1 mg

Description:

RNF8 was identified as a ubiquitin ligase (E3) containing a RING finger motif and a FHA domain. This protein has been shown to interact with several class II ubiquitin-conjugating enzymes including UBE2E1/UBCH6, UBE2E2, and UBE2E3. RNF8 assembles at DNA double-strand breaks (DSBs) via interactions through the FHA domain with the adaptor protein MDC1, resulting in an increase in DSB-associated H2A histone ubiquitinations mediated by the associated ubiquitin ligase RNF168 followed by the accumulation of 53BP1 and BRCA1 repair proteins. Together with RNF168, RNF8 plays an integral part of class switch recombination in B cells, allowing the production of several classes of antibodies, through the recruitment of 53BP1 and BRCA1 to the DSB sites.

Isotype: Rabbit Ig

Applications: E, WB, IF

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: RNF8; Ring finger protein 8

Accession No.: NP_003949

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human RNF8.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.