

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

RFWD3 RABBIT PAB

Cat.#: N225401

Product Name: Anti-RFWD3 Rabbit pAb

Synonyms: FANCW; RNF201

UNIPROT ID: Q6PCD5

Background: E3 ubiquitin-protein ligase required for the repair of DNA interstrand cross-links (ICL) in response to DNA damage (PubMed:21504906,

PubMed:21558276, PubMed:26474068, PubMed:28575657,

PubMed:28575658). Plays a key role in RPA-mediated DNA damage

signaling and repair (PubMed:21504906, PubMed:21558276, PubMed:26474068, PubMed:28575657, PubMed:28575658,

PubMed:28691929). Acts by mediating ubiquitination of the RPA complex (RPA1, RPA2 and RPA3 subunits) and RAD51 at stalled replication forks, leading to remove them from DNA damage sites and promote homologous recombination (PubMed:26474068, PubMed:28575657, PubMed:28575658). Also mediates the ubiquitination of p53/TP53 in the late response to DNA damage, and acts as a positive regulator of p53/TP53 stability, thereby regulating the G1/S DNA damage checkpoint (PubMed:20173098). May act by catalyzing the formation of short polyubiquitin chains on p53/TP53 that are not targeted to the proteasome (PubMed:20173098). In response to ionizing radiation, interacts with MDM2 and enhances p53/TP53 ubiquitination, possibly by restricting MDM2 from extending polyubiquitin

Immunogen: The antiserum was produced against synthesized peptide

derived from human RFWD3. AA range:374-423

chains on ubiquitinated p53/TP53 (PubMed:20173098).

Applications: WB,IHC-P,ELISA

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Clone ID: -

MW: Calculated MW: 85 kDa; Observed MW: 85 kDa

Isotype: IgG

Purification: Affinity Chromatography

Species Reactivity: Human Conjugation: Unconjugated Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

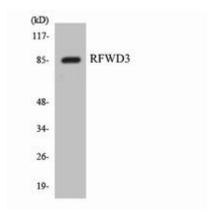


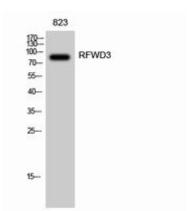
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Research Areas: -

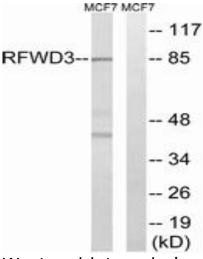
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing





Western blot analysis of RFWD3 in HepG2 lysates using RFWD3 antibody.

Western blot analysis of RFWD3 in 823 lysates using RFWD3 antibody.



Western blot analysis of RFWD3 in MCF-7 lysates using RFWD3 antibody. The lane on the right is blocked with the synthesized peptide.