

**Product Name: KD-Validated RNF31 Mouse Oligoclonal Antibody****Catalog #: KVA00410**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Mouse                                                                       |
| <b>Application</b>  | WB,FCM,ICC                                                                  |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Mouse IgG                                                                   |
| <b>Clonality</b>    | Mouse oligoclonal antibody                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 119.7kDa                               |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | RNF31                                                                                                                                                                                                                                                                                      |
| <b>Alternative Names</b> | RNF31; Ring Finger Protein 31; ZIBRA; HOIP; HOIL-1-Interacting Protein; Paul; Zinc In-Between-RING-Finger Ubiquitin-Associated Domain Protein; RING-Type E3 Ubiquitin Transferase RNF31; E3 Ubiquitin-Protein Ligase RNF31; FLJ1011; FLJ23501; RING Finger Protein 31; EC 2.3.2.31; IMD115 |
| <b>Gene ID</b>           | 55072.0                                                                                                                                                                                                                                                                                    |
| <b>SwissProt ID</b>      | Q96EP0                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>         | Recombinant protein of human RNF31                                                                                                                                                                                                                                                         |

**Background**

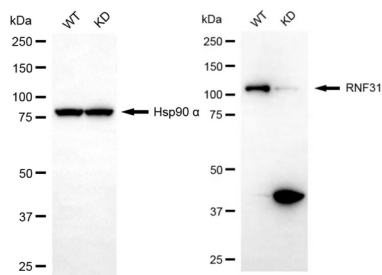
The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known

to be involved in protein-DNA and protein-protein interactions. The encoded protein is the E3 ubiquitin-protein ligase component of the linear ubiquitin chain assembly complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]

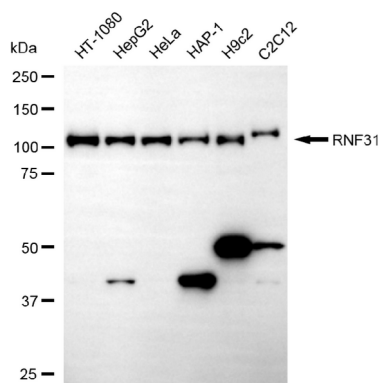
## Research Area

Cell Biology, Epigenetics and Nuclear Signaling

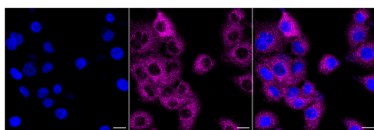
## Image Data



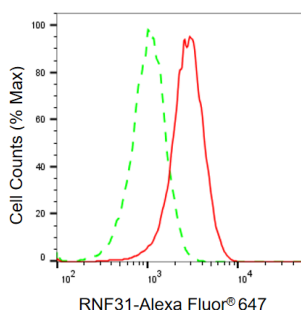
Western blotting analysis using RNF31 antibody (KVA00410). RNF31 expression in wild-type (WT) and RNF31 knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RNF31 antibody (KVA00410, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using RNF31 antibody (KVA00410). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RNF31 antibody (KVA00410, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with RNF31 antibody (KVA00410, 1:1,000). Nuclei were stained blue with DAPI; RNF31 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of RNF31 expression in HT-1080 cells using RNF31 antibody (KVA00410, 1:2,000). Green, isotype control; red, RNF31.