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**Product Name:** KO-Validated GABARAP Recombinant Rabbit Monoclonal Antibody  
**Catalog #:** KVAb00125

For research use only.

## Summary

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <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 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 13.9kDa               |

## Antigen Information

|                          |                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | GABARAP                                                                                                                                                                                                               |
| <b>Alternative Names</b> | GABARAP; GABA Type A Receptor-Associated Protein; MM46; GABA(A) Receptor-Associated Protein; ATG8A; Gamma-Aminobutyric Acid Receptor-Associated Protein; Epididymis Secretory Sperm Binding Protein; GABARAP-A; FLC3B |
| <b>Gene ID</b>           | 11337.0                                                                                                                                                                                                               |
| <b>SwissProt ID</b>      | O95166                                                                                                                                                                                                                |
| <b>Immunogen</b>         | A synthesized peptide derived from human GABARAP                                                                                                                                                                      |

## Background

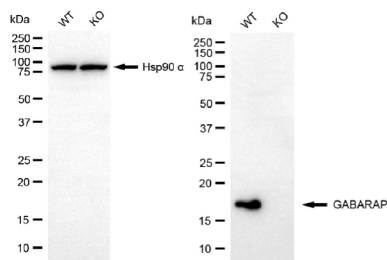
Gamma-aminobutyric acid A receptors [GABA(A) receptors] are ligand-gated chloride channels that mediate inhibitory neurotransmission. This gene encodes GABA(A) receptor-associated protein, which is highly positively charged in its N-

terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and 1B. This protein clusters neurotransmitter receptors by mediating interaction with the cytoskeleton. [provided by RefSeq, Jul 2008]

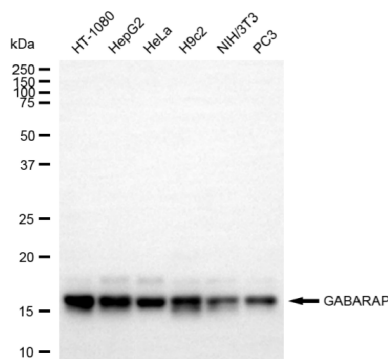
## Research Area

Neuroscience, Cell Biology

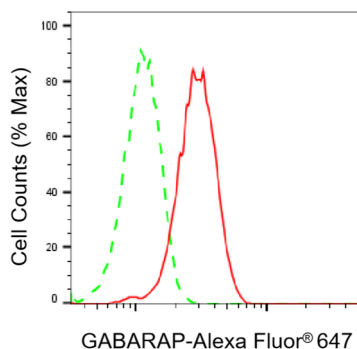
## Image Data



Western blotting analysis using GABARAP antibody (KVA00125). GABARAP expression in wild-type (WT) and GABARAP knockout (KO) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GABARAP antibody (KVA00125, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using GABARAP antibody (KVA00125). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GABARAP antibody (KVA00125, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of GABARAP expression in HepG2 cells using GABARAP antibody (KVA00125, 1:2,000). Green, isotype control; red, GABARAP.