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anti-FPGS antibody (AA 304-330)





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| ()\/\ | rview |
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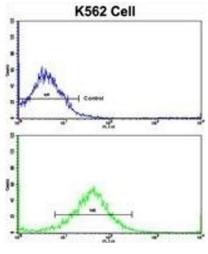
| Quantity: | 400 μL |
|----------------------|---|
| Target: | FPGS |
| Binding Specificity: | AA 304-330 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FPGS antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |
| | Cytometry (FACS) |
| Product Details | |
| Immunogen: | This FPGS antibody is generated from rabbits immunized with a KLH conjugated synthetic |
| | peptide between 304-330 amino acids from the Central region of human FPGS. |
| Clone: | RB21571 |
| Isotype: | lg Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Target Details | |
| Target: | FPGS |
| Alternative Name: | FPGS (FPGS Products) |
| | |

Target Details

Expiry Date:

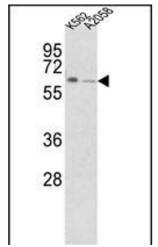
6 months

| Target Details | |
|---------------------|---|
| Background: | FPGS is the folylpolyglutamate synthetase enzyme. This enzyme has a central role in establishing and maintaining both cytosolic and mitochondrial folylpolyglutamate concentrations and, therefore, is essential for folate homeostasis and the survival of proliferating cells. This enzyme catalyzes the ATP-dependent addition of glutamate moieties to folate and folate derivatives. |
| Molecular Weight: | 64609 |
| Gene ID: | 2356 |
| NCBI Accession: | NP_001018088, NP_004948 |
| UniProt: | Q05932 |
| Application Details | |
| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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. |



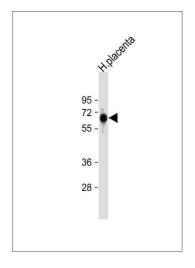
Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using FPGS Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of FPGS Antibody (Center) (ABIN390963 and ABIN2841146) in K562, cell line lysates (35 μ g/lane). FPGS (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Anti-FPGS Antibody (Center) at 1:1000 dilution + human placenta lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN390963.