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# anti-AMACR antibody (C-Term)



**Images** 

Alternative Name:



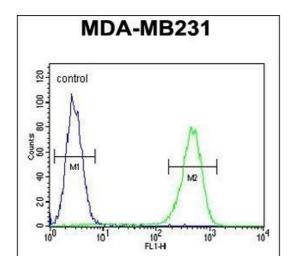
Go to Product page

| Overview             |  |
|----------------------|--|
| Quantity:            | 400 μL   |
| Target:              | AMACR  |
| Binding Specificity: | AA 323-351, C-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This AMACR antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)                                     |
| Product Details      |  |
| Immunogen:           | This AMACR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-351 amino acids from the C-terminal region of human AMACR. |
| Clone:               | RB18736  |
| Isotype:             | lg Fraction  |
| Purification:        | This antibody is purified through a protein A column, followed by peptide affinity purification.   |
| Target Details       |  |
| Target:              | AMACR  |
|                      |  |

AMACR (AMACR Products)

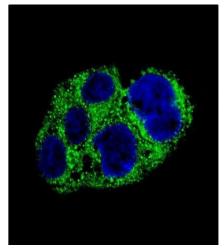
## Target Details

| · ·                 |  |
|---------------------|--|
| Background:         | This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-             |
|                     | bile acylCoAs between their (R)- and (S)-stereoisomers. The conversion to the (S)-                 |
|                     | stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation.      |
|                     | Encoded proteins from this locus localize to both mitochondria and peroxisomes. Mutations in       |
|                     | this gene may be associated with adult-onset sensorimotor neuropathy, pigmentary                   |
|                     | retinopathy, and adrenomyeloneuropathy due to defects in bile acid synthesis. Alternatively        |
|                     | spliced transcript variants have been described.   |
| Molecular Weight:   | 42387  |
| Gene ID:            | 23600  |
| NCBI Accession:     | NP_001161067, NP_055139, NP_976316   |
| UniProt:            | Q9UHK6   |
| Pathways:           | Monocarboxylic Acid Catabolic Process  |
| Application Details |  |
| Application Notes:  | IF: 1:10~50. 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.  |
| Expiry Date:        | 6 months   |
|                     |  |



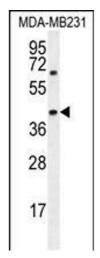
#### **Flow Cytometry**

**Image 1.** ACR Antibody (C-term) (ABIN654069 and ABIN2843966) flow cytometric analysis of MDA-M cells (right histogr) compared to a negative control cell (left histogr).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### **Immunofluorescence**

**Image 2.** Confocal immunofluorescent analysis of ACR Antibody (C-term) (ABIN654069 and ABIN2843966) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



### **Western Blotting**

**Image 3.** ACR Antibody (C-term) (ABIN654069 and ABIN2843966) western blot analysis in MDA-M cell line lysates (35  $\mu$ g/lane). This demonstrates the ACR antibody detected the ACR protein (arrow).

Please check the product details page for more images. Overall 5 images are available for ABIN654069.