

ARG44392 anti-MAGEL2 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes MAGEL2 |
| Tested Reactivity | Hu |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | MAGEL2 |
| Species | Human |
| Immunogen | Human MAGEL2 recombinant protein (aa. sequence: Q578-A847). |
| Conjugation | Un-conjugated |
| Alternate Names | MAGEL2; MAGE Family Member L2; NDNL1; NM15; Melanoma Antigen Family L2; Necdin-Like Protein 1; MAGE-Like Protein 2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|--------------------------------|
| | FACS | 1-3 µg/1x10 ⁶ cells |
| | IHC-P | 2-5 µg/ml |
| | WB | 0.25-0.5 µg/ml |
| Application Note | The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

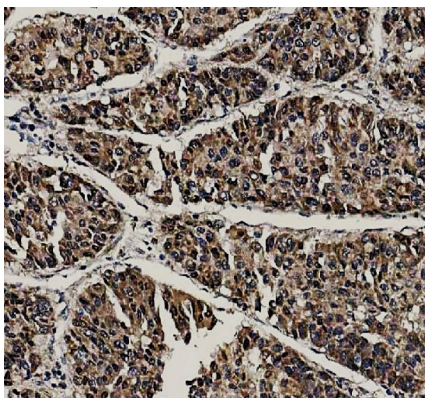
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purified with Immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

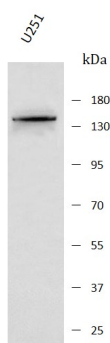
| | |
|-----------------------|---|
| Gene Symbol | MAGEL2 |
| Gene Full Name | MAGE Family Member L2 |
| Background | Prader-Willi syndrome (PWS) is caused by the loss of expression of imprinted genes in chromosome 15q11-q13 region. Affected individuals exhibit neonatal hypotonia, developmental delay, and childhood-onset obesity. Necdin (NDN), a gene involved in the terminal differentiation of neurons, localizes to this region of the genome and has been implicated as one of the genes responsible for the etiology of PWS. This gene is structurally similar to NDN, is also localized to the PWS chromosomal region, and is paternally imprinted, suggesting a possible role for it in PWS. |
| Function | Probably enhances ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases, possibly through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. Acts as a regulator of retrograde transport via its interaction with VPS35. Recruited to retromer-containing endosomes and promotes the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1 together with TRIM27, leading to promote endosomal F-actin assembly. |
| Calculated Mw | 133 kDa |
| Cellular Localization | Cytoplasm, Endosome, Nucleus |

Images



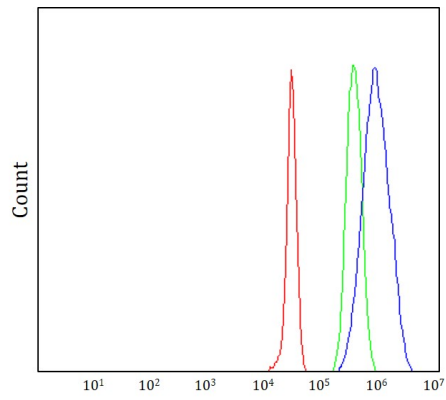
ARG44392 anti-MAGEL2 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG44392 anti-MAGEL2 antibody at 0.5 µg/mL dilution.



ARG44392 anti-MAGEL2 antibody WB image

Western blot: U251 stained with ARG44392 anti-MAGEL2 antibody at 2 µg/mL dilution.



ARG44392 anti-MAGEL2 antibody FACS image

Flow Cytometry: JK stained with ARG44392 anti-MAGEL2 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.