Datasheet for ABIN783659

# anti-ATP11A antibody (N-Term)

2 Images

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## Overview

| | |
|---|---|
| Quantity: | 0.1 mg |
| Target: | ATP11A |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ATP11A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA) |

## Product Details

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|---|---|
| Immunogen: | 19 amino acid peptide near the amino terminus of human ATP11A |
| Cross-Reactivity (Details): | Species reactivity (tested):Human, mouse, rat |
| Purification: | Affinity chromatography purified via peptide column |

## Target Details

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|---|---|
| Target: | ATP11A |
| Alternative Name: | ATP11A (ATP11A Products) |
| Background: | ATP11A is a widely expressed integral membrane ATPase. ATP11A is probably phosphorylated in its intermediate state and likely drives the transport of ions such as calcium or other molecules across membranes. While the exact molecule ATP11A transports is unknown, increased expression of ATP11A mRNA has been observed in murine leukemia cells made |

## Target Details

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| | resistant to anti-cancer drugs such as farnesyltransferase inhibitors (FTIs). Furthermore, overexpression of ATP11A provided protection against the FTI SCH66336 while knockdown of ATP11A via siRNA made cells more sensitive to this drug. Other reports suggest that elevated levels of ATP11A mRNA may also be a predictive marker of metastasis in colorectal cancer patients.Synonyms: ATPIH, ATPIS, ATPase IS, ATPase class VI type 11A, KIAA1021, Probable phospholipid-transporting ATPase IH |
| Gene ID: | 23250 |
| NCBI Accession: | NP_056020 |
| UniProt: | P98196 |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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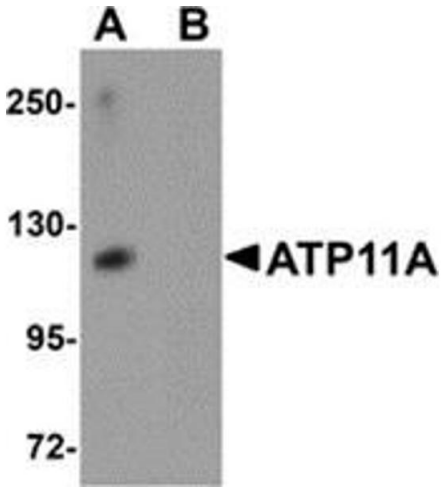
| Concentration: | 1.0 mg/mL |
| Buffer: | PBS containing 0.02 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Store the antibody (in aliquots) at -20 °C. |

## Immunofluorescence

**Image 1.** Immunocytochemistry of ATP11A in K562 cells with ATP11A antibody at 10 µg/ml.




## Western Blotting

**Image 2.** Western blot analysis of ATP11A in K562 cell tissue lysate with ATP11A antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.