# Product Data Sheet

001 Rev1 Jan 2019 by JR

**Catalogue No.** AB0306-100
**Qty:** 300 µg (3 mg/ml)

# ATP1a1 Polyclonal Antibody

**Source:** Goat

**General description:** Goat polyclonal antibody to ATP1a1. Na+/K+ -ATPase is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). This protein is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane.

**Alternative names:** ATPase Na+/K+ transporting subunit alpha 1and CMT2DD antibody.

**Form:** Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide derived from within residues 100 aa to N-terminus of human ATP1a1 produced in E. coli.

**Specificity:** Detects endogenous levels of ATP1a1 by Western blot in the whole cell lysates (HeLa, LS174T, SKOV3, etc.).

**Reactivity:** Reacts against human, rat, mouse, canine and monkey proteins.

| **Sample** | **Western blot** | **Immuno-fluorescence** | **Histochemistry** (paraffin) | **Histochemistry** (frozen) |
|---|---|---|---|---|
| human | +++ | ND | ND | ND |
| rat | +++ | ND | ND | ND |
| mouse | +++ | ND | ND | ND |
| canine | +++ | ND | ND | ND |
| monkey | +++ | ND | ND | ND |

+++ excellent, ++ good, + poor, ND not determined

| | |
|---|---|
| **Usage:** Western blot | 1:500-1:2,000 |
| Immunofluorescence | ND |
| Immunohistochemistry (paraffin) | ND |
| Immunohistochemistry (frozen) | ND |

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

**Special instructions:** Avoid freeze/thaw cycles.

**References:**

SICGEN - Research and Development in Biotechnology Ltd
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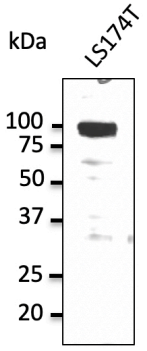


Endogenous ATP1a1 detected with at 1/1,000 dilution; lysate at 50 µg per lane and rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.

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