SICGEN ANTIBODIES

# Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB0023-200 | 200 µg |
| AB0023-500 | 500 µg |

## Anti-Rab27a

**Source:** Goat

**General description:** Goat polyclonal antibody to mouse Rab27a. Rab27a belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and involved in lysosome-related vesicle transport and small GTPase mediated signal transduction.

**Alternative names:** GS2, GTP-binding protein Ram, rab-27, ras-related protein Rab-27A, RAB27, RAM.

**Form:** Polyclonal antibody supplied as a 200 or 500 µl (1 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 120 aa to the C-terminus of mouse Rab27a produced in E. coli.

**Specificity:** Detects Rab27a by Western blot in the following human, rat and mouse whole cell lysates and transfected cells with GFP-Rab27a. This antibody also recognizes Rab27b protein.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

| Sample | WB | IHC (F) | IHC (P) | IF | ELISA |
|---|---|---|---|---|---|
| Human | +++ | +++ | +++ | +++ | ND |
| Rat | +++ | +++ | +++ | +++ | ND |
| Mouse | +++ | +++ | +++ | +++ | ND |
| Canine | +++ | +++ | +++ | +++ | ND |
| Monkey | +++ | +++ | +++ | +++ | ND |

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

**Usage:**

| | |
|---|---|
| WB: | 1:250-1:2,000 |
| IF: | 1:50-1:200 |

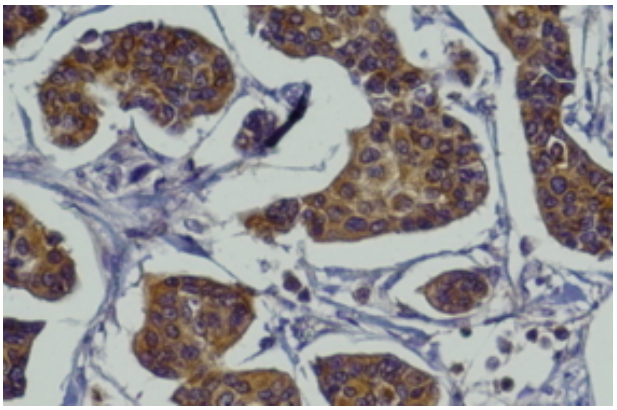
IHC (P): 1:50-1:400
IHC (F): 1:50-1:400

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

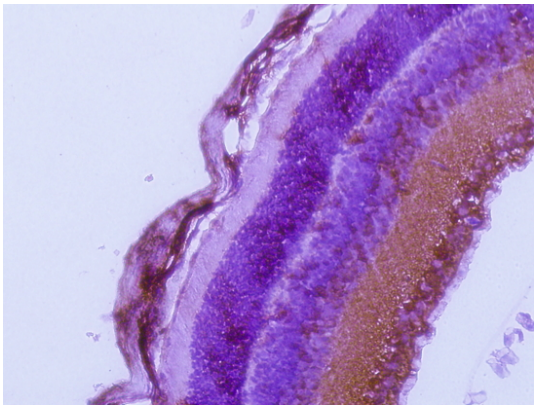
**Special instructions:** The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

**References:**

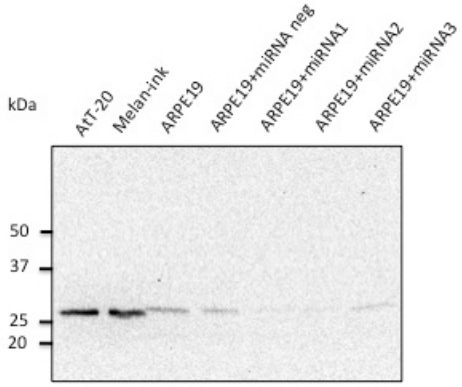

1. Alzahofi N, Welz T, Robinson CL, et al. Nat Commun. 2020 Jul PMID: 32661310
2. Ramsay E, Raviña M, Sarkhel S, et al. Pharmaceutics 2020 Jul PMID: 32708811
3. Sanzà P, Evans RD, Briggs DA, et al. J Cell Sci 2019 Apr PMID: 30898842
4. Pelkonen L, Reinisalo M, Morin-Picardat E et al. PLoS One 2016 Aug PMID: 27551967
5. Reichhart N, Markowski M, Ishiyama S et al. Cell Signal 2015 Jul PMID: 26235199
6. Yu J, Meneses-Salas E, Johnson JL, et al. Cell Reports 2024 Aug PMID: 39126651

Anti-Rab27a antibody IHC staining of mammary tissue; Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval; Antibody concentration 1/200;



Anti-Rab27a antibody IHC staining of albino mouse retina; Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval; Antibody concentration 1/200;




Anti-Rab27 antibody at 1/500 dilution; 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.