SICGEN ANTIBODIES

# Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB7654-100 | 300 µg |

## Anti-Azurite

**Source:** Goat

**General description:** Goat polyclonal antibody to Azurite. Azurite is a basic (constitutively fluorescent) blue fluorescent protein engineered from green fluorescent protein (GFP) isolated from Aequorea victoria. It is reported to be a rapidly-maturing weak dimer with low acid sensitivity. Azurite is a ~27 kDa protein that is optimally excited at a 383 nm and has a maximum of emission at 447 nm. It is used in research as a reporter to label and study the biology of the cell using a wide range of applications

**Alternative names:** green fluorescent protein 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 fluorescent protein produced in E. coli

**Specificity:** In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot. This antibody does not recognize RFP (red fluorescent protein).

**Reactivity:** Reacts with Transfected cells proteins

| Sample | WB | IHC (F) | IHC (P) | IF | ELISA | IEM |
|---|---|---|---|---|---|---|
| Transfected cells | +++ | +++ | +++ | +++ | ND | +++ |

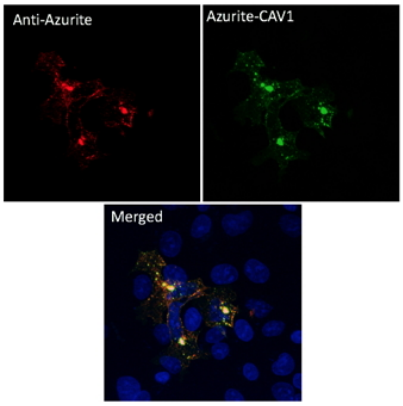
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

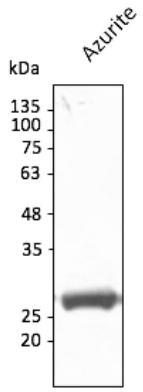
| | |
|---|---|
| WB: | 1:500-1:5,000 |
| IHC (F): | 1:50-1:500 |
| IHC (P): | 1:50-1:500 |
| IF: | 1:50-1:500 |
| IEM: | 1:50-1:500 |

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

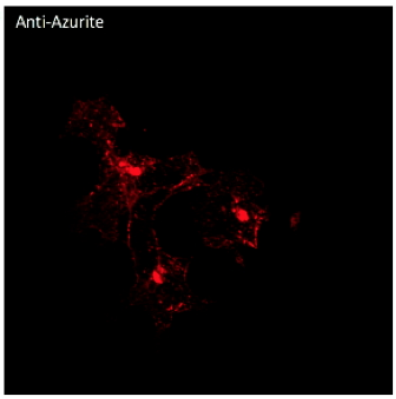
**Special instructions:** The antibody solution should be gently mixed before use..




Immunofluorescence – anti-Azurite Ab using COS7 cells transduced with Azurite-CAV1; cells were fixed with methanol and anti-Azurite at 1/250;




Anti-Azurite Ab at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;




Immunofluorescence – anti-Azurite Ab using COS7 cells transduced with Azurite-CAV1; cells were fixed with methanol and anti-Azurite at 1/250;

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.