

Datasheet for ABIN899176

**anti-Glycerol Kinase antibody (AA 21-120) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Glycerol Kinase (GK)                                                                                    |
| Binding Specificity: | AA 21-120                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This Glycerol Kinase antibody is conjugated to AbBy Fluor® 647                                          |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Glycerol kinase 1  |
| Isotype:              | IgG                                                                    |
| Specificity:          | This antibody will detect GK1 and GK2 due to high sequence similarity. |
| Cross-Reactivity:     | Human                                                                  |
| Predicted Reactivity: | Mouse,Rat,Cow,Pig,Horse,Rabbit                                         |
| Purification:         | Purified by Protein A.                                                 |

## Target Details

|         |                      |
|---------|----------------------|
| Target: | Glycerol Kinase (GK) |
|---------|----------------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Glycerol kinase ( <a href="#">GK Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Background:       | <p>Synonyms: ATP glycerol 3 phosphotransferase, GK, GK1, GK2, GKD, Glycerokinase, Glycerol kinase, Glycerol kinase deficiency, ATP:glycerol 3-phosphotransferase, GLPK_HUMAN.</p> <p>Background: Glycerol kinase catalyzes the formation of glycerol 3 phosphate from ATP and glycerol. Dihydroxyacetone and L glyceraldehyde can also act as acceptors, UTP and, in the case of the yeast enzyme, ITP and GTP can act as donors. It provides a way for glycerol derived from fats or glycerides to enter the glycolytic pathway.</p> |
| Gene ID:          | 2710, 2712                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |