

Datasheet for ABIN2807170

**anti-Transportin 1 antibody (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | Transportin 1 (TNPO1)                                                           |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This Transportin 1 antibody is conjugated to AbBy Fluor® 594                    |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human Transportin 1 |
| Isotype:          | IgG                                                               |
| Cross-Reactivity: | Human, Mouse, Rat                                                 |
| Purification:     | Purified by Protein A.                                            |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Transportin 1 (TNPO1)                                                                                                                                                                                                                                                                                                                                 |
| Alternative Name: | Transportin 1 ( <a href="#">TNPO1 Products</a> )                                                                                                                                                                                                                                                                                                      |
| Background:       | Synonyms: Importin 2, Importin beta 2, IPO 2, IPO2, Karyopherin importin beta 2, Karyopherin beta 2, KPN B2, KPNB 2, KPNB2, M9 interacting protein, M9 region interacting protein, M9 region interaction protein, M9-interacting protein, MIP 1, MIP, MIP1, TNPO 1, TNPO1, Transportin 1, Transportin, Transportin-1, Transportin1, TRN, TNPO1_HUMAN. |

## Target Details

Background: Transportin 1 is the beta subunit of the karyopherin receptor complex which interacts with nuclear localization signals to target proteins to the nucleus. The karyopherin receptor complex is a heterodimer of an alpha subunit which recognizes the nuclear localization signal and a beta subunit which docks the complex at nucleoporins. Alternate splicing of this gene results in two transcript variants encoding different proteins. In cases of HIV-1 infections, transportin 1 is known to bind and mediate the nuclear import of HIV-1 Rev.

|           |                                                                                                                                                                                                                                                                                                                                           |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 3842                                                                                                                                                                                                                                                                                                                                      |
| Pathways: | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">CXCR4-mediated Signaling Events</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 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                                                                                                          |