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Datasheet for ABIN1400310  
**anti-Transportin 1 antibody (AbBy Fluor® 647)**

### 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® 647
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

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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: [PI3K-Akt Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Cellular Glucan Metabolic Process](#), [Protein targeting to Nucleus](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

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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