

Datasheet for ABIN7466780  
**anti-Importin 5 antibody (N-Term)**



[Go to Product page](#)

## Overview

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                    |
| Target:              | Importin 5 (IPO5)                                                         |
| Binding Specificity: | N-Term                                                                    |
| Reactivity:          | Human                                                                     |
| Host:                | Rabbit                                                                    |
| Clonality:           | Polyclonal                                                                |
| Conjugate:           | This Importin 5 antibody is un-conjugated                                 |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant protein encompassing a sequence within the N-terminus region of human IPO5.<br>The exact sequence is proprietary. |
| Isotype:          | IgG                                                                                                                           |
| Cross-Reactivity: | Human, Mouse                                                                                                                  |
| Purification:     | Purified by antigen-affinity chromatography.                                                                                  |

## Target Details

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Target:           | Importin 5 (IPO5)                                                                           |
| Alternative Name: | importin 5 ( <a href="#">IPO5 Products</a> )                                                |
| Background:       | Importin 5 , IMB3 , KPNB3 , Pse1 , RANBP5 , imp5,Nucleocytoplasmic transport, a signal- and |

## Target Details

energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family. [provided by RefSeq]

Molecular Weight: 124 kDa

Gene ID: 3843

UniProt: [O00410](#)

Pathways: [Protein targeting to Nucleus](#)

## Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Mouse brain , HeLa , NT2D1

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.78 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

## Handling

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(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.