

## Rabbit anti-Human Exportin-5/XPO5 Polyclonal Antibody | anti-XPO5 antibody

Anti-Exportin-5/XPO5 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                   |
|-----------|--------|------------|------------------------------------------------------------------------------------------------|
| AAA126268 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot |

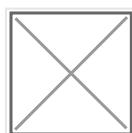
### PRODUCT SYNONYMS

Exportin-5/XPO5; Polyclonal Antibody; Anti-Exportin-5/XPO5 Antibody Picoband; anti-XPO5 antibody

### PRODUCT SPECIFICATIONS

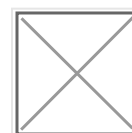
|                                                |                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                    | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-XPO5 antibody | ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                      |
| Reconstitution                                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                      | E Coli-derived human Exportin-5/XPO5 recombinant protein (Position: M1-L1104).                                                                                                                                               |
| Preparation and Storage                        | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of Daudi cells using anti-Exportin-5/XPO5 antibody (AAA126268). Overlay histogram showing Daudi cells stained with AAA126268 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Exportin-5/XPO5 Antibody (AAA126268, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



#### IF (Immunofluorescence)

Figure 2. IF analysis of Exportin-5/XPO5 using anti-Exportin-5/XPO5 antibody (AAA126268). Exportin-5/XPO5 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Exportin-5/XPO5 Antibody (AAA126268) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



#### WB (Western Blot)

Figure 1. Western blot analysis of Exportin-5/XPO5 using anti-Exportin-5/XPO5 antibody (AAA126268). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human CACO-2 whole cell lysates, Lane 2: human Daudi whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Exportin-5/XPO5 antigen affinity purified polyclonal antibody (#AAA126268) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Exportin-5/XPO5 at approximately 130 kDa. The expected band size for Exportin-5/XPO5 is at 136 kDa.

#### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-XPO5 antibody | Exportin-5 (XPO5) is a protein that in humans is encoded by the XPO5 gene. The International Radiation Hybrid Mapping Consortium mapped the XPO5 gene to chromosome 6. This gene encodes a member of the karyopherin family that is required for the transport of small RNAs and double-stranded RNA-binding proteins from the nucleus to the cytoplasm. The encoded protein translocates cargo through the nuclear pore complex in a RanGTP-dependent process. |
| Product Categories/Family for anti-XPO5 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                |

#### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 22748937                                                                       |
| NCBI GeneID                      | 57510                                                                          |
| NCBI Accession #                 | NP_065801.1                                                                    |
| NCBI GenBank Nucleotide #        | NM_020750.2                                                                    |
| UniProt Accession #              | Q9HAV4; Q5JTE6; Q96G48; Q96HN3; Q9BWM6; Q9BZV5; Q9H9M4; Q9NT89; Q9NW39; Q9ULC9 |
| Molecular Weight                 | 136,311 Da                                                                     |
| NCBI Official Full Name          | exportin-5                                                                     |
| NCBI Official Synonym Full Names | exportin 5                                                                     |
| NCBI Official Symbol             | XPO5                                                                           |
| NCBI Official Synonym Symbols    | exp5                                                                           |
| NCBI Protein Information         | exportin-5                                                                     |
| UniProt Protein Name             | Exportin-5                                                                     |
| UniProt Gene Name                | XPO5                                                                           |
| UniProt Synonym Gene Names       | KIAA1291; RANBP21; Exp5                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.