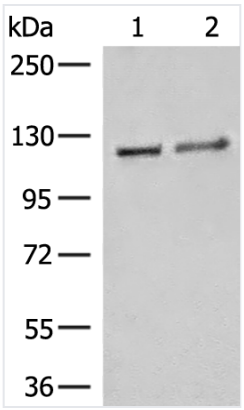
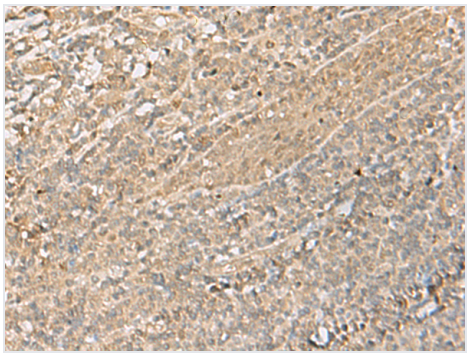
# IPO11 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

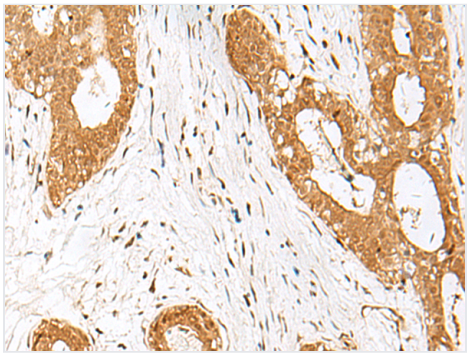
| | |
|---|---|
| **Product Name** | IPO11, Polyclonal Antibody |
| **Full Product Name** | IPO11 Polyclonal Antibody |
| **Product Gene Name** | anti-IPO11 antibody |
| **Product Synonym Names** | Imp11; Importin 11; Importin-11; IPO11; IPO11; Ran binding protein 11; Ran-binding protein 11; RanBP11; SLRN; Synleurin |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | PBS with 0.05% NaN3 and 40% Glycerol, pH7.4 |
| **Purity/Purification** | Antigen Affinity Purification |
| **Concentration** | 1.2mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |
| **Molecular Weight** | 113 kDa |
| **OMIM** | 610889 |
| **3D Structure** | ModBase 3D Structure for Q9UI26 |
| **Immunogen** | Fusion protein of human IPO11 |
| **Conjugation** | Unconjugated |
| **Product Categories/Family for anti-IPO11 antibody** | Signal Transduction |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-IPO11 antibody** | Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA) |
| **Application Notes for anti-IPO11 antibody** | WB: 1:500-1:2000<br>IHC: 1:50-1:300<br>ELISA: 1:5000-1:10000 |
| **Related Product Information for anti-IPO11 antibody** | Importins, including IPO11, are a members of the karyopherin/importin-beta family of transport receptors (see KPNB1; 602738) that mediate nucleocytoplasmic transport of protein and RNA cargoes (Plafker and Macara, 2000 [PubMed 11032817]). |
| **Other Notes** | Small volumes of anti-IPO11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for IPO11 purchase** | MBS2560764 is an antibody targeting IPO11. Also known as IPO11 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit. |




**Western Blot (WB) of anti-IPO11 antibody**
Western blot analysis of K562 cell Human fetal brain tissue lysates using IPO11 Polyclonal Antibody at dilution of 1:500



**Immunohistochemistry (IHC) of anti-IPO11 antibody**
Immunohistochemistry of paraffin-embedded Human tonsil tissue using IPO11 Polyclonal Antibody at dilution of 1:70(×200)



**Immunohistochemistry (IHC) of anti-IPO11 antibody**
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using IPO11 Polyclonal Antibody at dilution of 1:70(×200)

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IPO11. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 21707128 |
| **NCBI GeneID** | 51194 |
| **NCBI Accession #** | AAH33776.1 |
| **NCBI Related Accession #** | BC033776 |
| **UniProt Primary Accession #** | Q9UI26 |
| **UniProt Related Accession #** | Q9UI26 |
| **NCBI Official Full Name** | Importin 11 |
| **NCBI Official Synonym Full Names** | importin 11 |
| **NCBI Official Symbol** | IPO11 |
| **NCBI Official Synonym Symbols** | RanBP11 |
| **UniProt Protein Name** | Importin-11 |
| **UniProt Synonym Protein Names** | Ran-binding protein 11 |
| **Protein Family** | Importin |
| **UniProt Gene Name** | IPO11 |
| **UniProt Synonym Gene Names** | RANBP11; Imp11; RanBP11 |

| | |
|---|---|
| **UniProt Entry Name** | IPO11_HUMAN |
| **NCBI Protein Information** | importin-11 |
| **UniProt Comments for IPO11** | IPO11: Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran- dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Mediates the nuclear import of UBE2E3, and of RPL12. Belongs to the importin beta family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Karyopherin; Nuclear import<br><br>Chromosomal Location of Human Ortholog: 5q12.1<br><br>Cellular Component: cytoplasm; nucleus<br><br>Molecular Function: Ran GTPase binding; protein transporter activity<br><br>Biological Process: ribosomal protein import into nucleus |
| **Research Articles on IPO11** | **1.** High IPO11 expression is associated with migration, invasion, and progression of bladder cancer. |
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