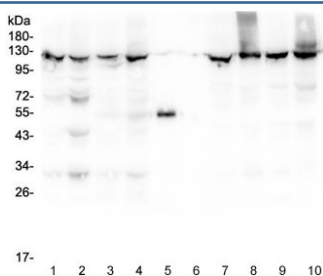


XPO1 Antibody / Exportin 1 / CRM1 [clone 5G3] (RQ4517)

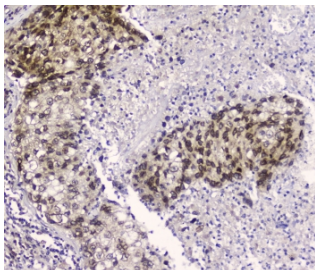
Catalog No.	Formulation	Size
RQ4517	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

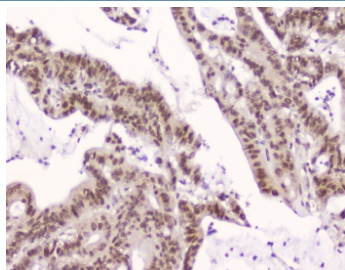
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Name	5G3
Purity	Protein G affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O14980
Localization	Nucleus, Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells Immunofluorescence : 5ug/ml
Limitations	This XPO1 antibody is available for research use only.



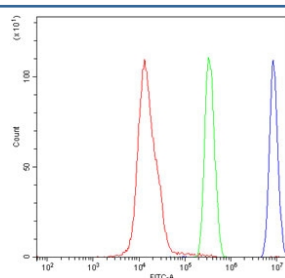
Western blot testing of 1) rat liver, 2) rat lung, 3) mouse liver, 4) mouse lung, 5) rabbit IgG, 6) molecular weight marker, 7) human HepG2, 8) human SMMC-7721, 9) human HeLa and 10) human Jurkat lysate with XPO1 antibody at 0.5ug/ml. Expected molecular weight ~123 kDa.



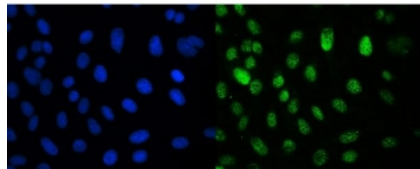
IHC testing of FFPE human lung cancer with XPO1 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human intestinal cancer with XPO1 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human SiHa cells with XPO1 antibody at 1ug/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= XPO1 antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with XPO1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Exportin 1 (XPO1), also known as chromosomal maintenance 1 (CRM1), is an eukaryotic protein that mapped to human chromosome 2p16 by fluorescence in situ hybridization. This protein mediates leucine-rich nuclear export signal (NES)-dependent protein transport. It specifically inhibits the nuclear export of Rev and U snRNAs. Additionally, this protein is involved in the control of several cellular processes by controlling the localization of cyclin B, MPAK, and MAPKAP kinase 2. It also regulates NFAT and AP-1.

Application Notes

Optimal dilution of the XPO1 antibody should be determined by the researcher.

Immunogen

Human Exportin 1 recombinant protein (amino acids N966-D1071) was used as the immunogen for the XPO1 antibody.

Storage

After reconstitution, the XPO1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

