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anti-XPO5 antibody (AA 221-320) (AbBy Fluor® 350)



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Quantity:	100 μL	
Target:	XPO5	
Binding Specificity:	AA 221-320	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This XPO5 antibody is conjugated to AbBy Fluor® 350	
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Exportin 5	
Isotype:	IgG	
Cross-Reactivity:	Mouse	
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	XPO5
Alternative Name:	Exportin 5 (XPO5 Products)

Target Details

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Synonyms: Exp 5, Exp5, Exportin 5, Exportin-5, Exportin5, FLJ14239, FLJ32057, FLJ45606, KIAA1291, Ran binding protein 21, Ran-binding protein 21, Ranbp 21, Ranbp 21, Xpo 5, xpo5, XPO5_HUMAN.

Background: Exportin 5 (XPO5) is a member of the importin _ family of proteins and functions in tRNA export in a sequence dependent fashion. More recently, it has been shown to export premiRNA by a RanGTPase-driven process from the nucleus to the cytoplasm, where pre-miRNA processing occurs to produce mature miRNAs. Study of the miRNA biosynthesis pathway is essential in understanding the process of oncogenesis as global downregulation of miRNAs and the resulting alterations in the expression of tumor suppressor and oncogenic proteins is a common phenotype of cancers cells . Research studies have shown disruption of exportin 5 functions in many types of cancers including breast and lung, where pre-miRNA accumulates in the nucleus and miRNA maturation is impaired.

Pathways:

Regulatory RNA Pathways, Protein targeting to Nucleus

Application Details

Application Notes:

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions:

For Research Use only

Handling

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