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Overview

anti-IPO7 antibody (AA 365-460) (AbBy Fluor® 555)



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Quantity:	100 μL	
Target:	IPO7	
Binding Specificity:	AA 365-460	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This IPO7 antibody is conjugated to AbBy Fluor® 555	

Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence

(Paraffin-embedded Sections) (IF (p))

Product Details

Application:

Immunogen:	KLH conjugated synthetic peptide derived from human RanBP7/Importin 7
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	IPO7
Alternative Name:	RanBP7 (IPO7 Products)
Background:	Synonyms: Imp 7, Imp7, Importin-7, Importin7, IPO 7, IPO7, IPO7_HUMAN, Ran binding protein

7, Ran-binding protein 7, RANBP 7, RanBP7.

Background: Importin 7 is a 1,038 amino acid protein encoded by the human gene IPO7. Importin-7 belongs to the importin b family and contains one importin N-terminal domain. Importin-7 functions in nuclear protein import, either by acting as an autonomous nuclear transport receptor or as an adapter-like protein in association with the Importin b subunit KPNB1. Acting autonomously, Importin-7 is thought to serve itself as receptor for nuclear localization signals (NLS) and to promote translocation of import substrates through the nuclear pore complex (NPC) by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to Importin-7, the Importin-7/substrate complex dissociates and Importin-7 is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. Importin-7 is a nuclear protein that is expressed in most tissues.

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