



Mouse anti-Human IPO7 monoclonal antibody, clone 5H7 (CABT-B10467)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	IPO7 (NP_006382, 950 a.a. ~ 1039 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5H7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	DDEDNPVDEYQIFKAIFQTIQNRNPVWYQALTHGLNEEQRKQLQDIATLADQRRRAHESK MIEKHGGYKFSAPVVPSSFNFGGPAPGMN*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class
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of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Rans GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins. [provided by RefSeq, Jul 2008]

Keywords	IPO7; importin 7; Imp7; RANBP7; importin-7; RAN-binding protein 7;
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GENE INFORMATION

Entrez Gene ID	10527
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UniProt ID	O95373
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Function	Ran GTPase binding; histone binding; protein binding; protein transporter activity; small GTPase regulator activity; transporter activity
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