antibodies -online.com









Overview

Quantity:	100 μL	
Target:	Importin 5 (IPO5)	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Importin 5 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA	

Product Details

Immunogen:	A synthesized peptide derived from human IPO5	
Isotype:	IgG	
Specificity:	IPO5 Antibody detects endogenous levels of total IPO5	
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling	
	Resin (Thermo Fisher Scientific).	

Target Details

Target:	Importin 5 (IPO5)
Alternative Name:	IPO5 (IPO5 Products)
Background:	Description: 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 (By similarity). Mediates the nuclear import of ribosomal proteins RPL23A, RPS7 and RPL5. Binds to a beta-like import receptor binding (BIB) domain of RPL23A. In vitro, mediates nuclear import of H2A, H2B, H3 and H4 histones. Binds to CPEB3 and mediates its nuclear import following neuronal stimulation (By similarity). In case of HIV-1 infection, binds and mediates the nuclear import of HIV-1 Rev.

Gene: IPO5

Molecular Weight: 123kDa

Gene ID: 3843

UniProt: 000410

Pathways: Protein targeting to Nucleus

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200

Restrictions: For Research Use only

Handling

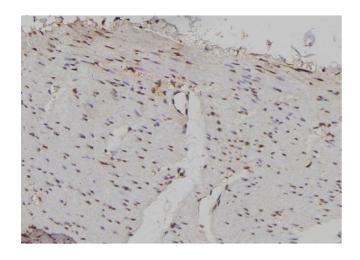
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	

Handling

Storage Comment:	Store at -20 °C. Stable for 1	2 months from date of receipt

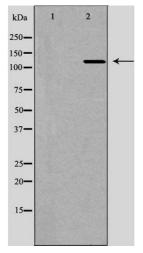
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. ABIN6276998 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22_{i} ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

Image 2. Western blot analysis of Hela whole cell lysates, using IPO5 Antibody. The lane on the left is treated with the antigen-specific peptide.