



XPO5 rabbit pAb

Catalog No	YP-Ab-08518
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	XPO5 KIAA1291 RANBP21
Immunogen	Synthesized peptide derived from human XPO5 AA range: 441-491
Specificity	This antibody detects endogenous levels of XPO5 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Exp5;exportin 5;FLJ14239;FLJ32057;FLJ45606;KIAA1291;Ran binding protein 21;RANBP21;XPO5;XPO5 KIAA1291 RANBP21
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Cytoplasm . Shuttles between the nucleus and the cytoplasm.
Tissue Specificity	Expressed in heart, brain, placenta, lung, skeletal muscle, kidney and pancreas.
Function	function:Mediates the nuclear export of micro-RNA precursors, which form short hairpins. Also mediates the nuclear export of synthetic short hairpin RNAs used for RNA interference, and adenovirus VA1 dsRNA. In some circumstances can also mediate the nuclear export of deacylated and aminoacylated tRNAs. Specifically recognizes dsRNAs that lack a 5'-overhang in a sequence-independent manner, have only a short 3'-overhang, and that have a double-stranded length of at least 15 base-pairs. Binding is dependent on Ran-GTP., function:Mediates the nuclear export of proteins bearing a double-stranded RNA binding domain (dsRBD) and double-stranded RNAs (cargos). XPO5 in the nucleus binds cooperatively to the RNA and to the GTPase Ran in its active GTP-bound form. Proteins containing dsRBDs can associate with this trimeric complex through the RNA. Docking of this complex to the nuclear pore complex



Background

This gene encodes a member of the karyopherin family that is required for the transport of small RNAs and double-stranded RNA-binding proteins from the nucleus to the cytoplasm. The encoded protein translocates cargo through the nuclear pore complex in a RanGTP-dependent process. [provided by RefSeq, Aug 2011],

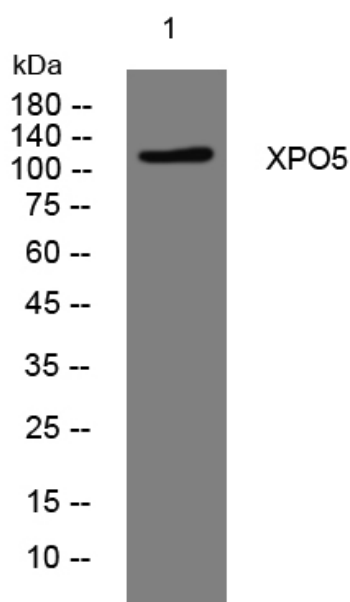
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night