Best Tools for immunology Research

XPO5 rabbit pAb

Catalog No :	YN3676
Reactivity :	Human;Mouse
Applications :	WB
Target :	XPO5
Fields :	>>Nucleocytoplasmic transport
Gene Name :	XPO5 KIAA1291 RANBP21
Protein Name :	XPO5
Human Gene Id :	57510
Human Swiss Prot No :	Q9HAV4
Mouse Gene Id :	72322
Mouse Swiss Prot No :	Q924C1
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
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 132kD

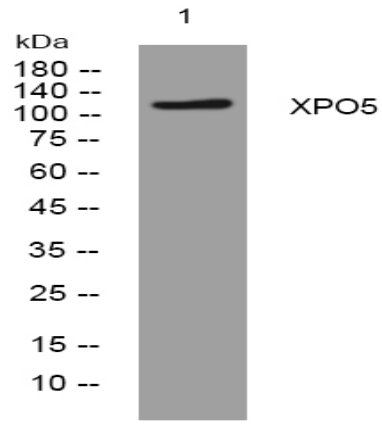
Background : This gene encodes a member of the karyopherin family that is required for the transport of small RNAs and double-stranded RNA-binding proteins from the nucleus to the cytoplasm. The encoded protein translocates cargo through the nuclear pore complex in a RanGTP-dependent process. [provided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

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

Subcellular Location : Nucleus . Cytoplasm . Shuttles between the nucleus and the cytoplasm.

Expression : Expressed in heart, brain, placenta, lung, skeletal muscle, kidney and pancreas.

Products Images



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