Best Tools for immunology Research

XPO4 rabbit pAb

Catalog No :	YT7049
Reactivity :	Human;Mouse
Applications :	WB
Target :	XPO4
Fields :	>>Nucleocytoplasmic transport
Gene Name :	XPO4 KIAA1721
Protein Name :	XPO4
Human Gene Id :	64328
Human Swiss Prot No :	Q9C0E2
Mouse Gene Id :	57258
Mouse Swiss Prot No :	Q9ESJ0
Immunogen :	Synthesized peptide derived from human XPO4 AA range: 244-294
Specificity :	This antibody detects endogenous levels of XPO4 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)

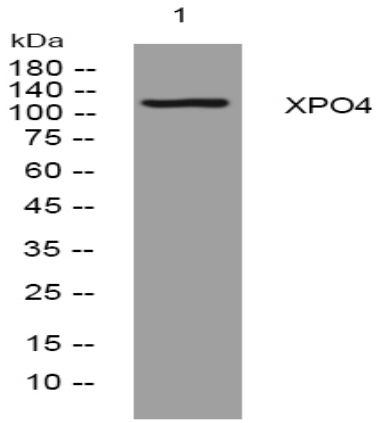
Molecularweight : 127kD

Background : XPO4 belongs to a large family of karyopherins (see MIM 602738) that mediate the transport of proteins and other cargo between the nuclear and cytoplasmic compartments (Lipowsky et al., 2000 [PubMed 10944119]).[supplied by OMIM, Mar 2009],

Function : function:Mediates the nuclear export of proteins (cargos) with broad substrate specificity. In the nucleus binds cooperatively to its cargo and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. XPO4 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.,similarity:Belongs to the exportin family.,subcellular location:Shuttles between the nucleus and the cytoplasm.,subuni

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

Products Images



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