

Anti-XPO4 Rabbit Monoclonal Antibody

Introduction

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.

Product parameters

| | |
|-------------------|-----------------------------------------------------------------------------------------|
| Alternative Names | exp4 |
| Gene ID | 64328 |
| Gene Name | XPO4 |
| SwissProt ID | Q9C0E2 |
| Host | Rabbit |
| Reactivity | Human, Rat |
| Molecular Weight | Calculated MW: 130 kDa; Observed MW: 130 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-12D2G12 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | A synthetic peptide of human Exportin 4 |
| Purification | Affinity Purified |
| Buffer System | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |

| | |
|--------------------|-----------------------------------|
| Application | WB, IP |
| Dilution Ratio | WB: 1/500-1/1000 IP: 1/20 |
| Research Field | Epigenetics and Nuclear Signaling |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |

Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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