

11-8013: Polyclonal Antibody to Importin-9 (Ran-binding protein 9)

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| Clonality : | Polyclonal |
| Application : | IHC,WB |
| Reactivity : | Human |
| Gene : | IPO9 |
| Gene ID : | 55705 |
| Uniprot ID : | Q96P70 |
| Format : | Purified |
| Alternative Name : | IPO9,IMP9,KIAA1192,RANBP9,HSPC273 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | A partial length recombinant Importin-9 protein (amino acids 740-1,041) was used as the immunogen for this antibody. |

Description

Importin-9 (IPO9) is a molecular transporter and chaperone that belongs to the super-family of karyopherins. It binds primarily to stem-loop structure 1 in IFN-epsilon5'UTR, and negatively impacts mRNA expression. Importins, including Importin-9, are known for their ability to mediate active transport through nuclear pore complexes and effectively suppress the aggregation of their basic import cargoes in polyanionic environments. Importins exert their functions through protein-protein interactions; they recognize nuclear localization signals and prevent protein aggregation by shielding basic patches such as those found in a variety of ribosomal proteins.

Product Info

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| Amount : | 25 µg / 100 µg |
| Purification : | Protein A Chromatography |
| Content : | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western blot analysis: 0.25-1.0 µg/ml, Immunohistochemical analysis: 5 µg/ml

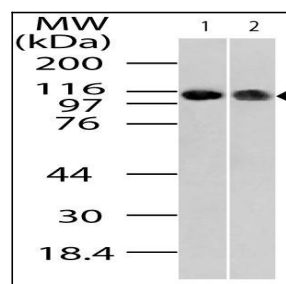


Fig-1: Western blot analysis of Importin-9 (Ran-binding protein 9) . Anti- Importin-9 (Ran-binding protein 9) antibody (11-8013) was used at 0.25 µg/ml on 1) 293 and 2) 3T3 lysates.

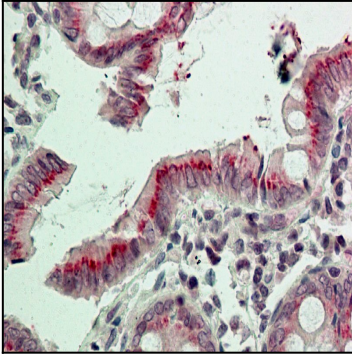


Fig-2: Immunohistochemical analysis of Importin-9 (Ran-binding protein 9). Anti-Importin-9 (Ran-binding protein 9) antibody (11-8013) in human Colon tissue at 5 $\mu\text{g/ml}$.