

11-8011: Polyclonal Antibody to Importin-8

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	IPO8
Gene ID :	10526
Uniprot ID :	O15397
Format :	Purified
Alternative Name :	IPO8,RANBP8
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant Importin-8 protein (amino acids 700-1,000) was used as the immunogen for this antibody.

Description

Importin-8 is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. It acts as a nuclear protein involved in the nucleolar transport. Importin-8 is required for cytoplasmic miRNA-guided gene silencing and is involved in loading Ago complexes into a variety of different mRNA targets, affecting the nuclear localization of Ago proteins. This protein binds to the nuclear pore complex and, along with RanGTP and RANBP1, inhibits the GAP stimulation of the Ran GTPase. The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. Importin-8 has been proposed previously as a reference gene in the human motor cortex as it showed no differences in a study with different brain regions from chronic alcoholics and control subjects and lung samples.

Product Info

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: 2-4 µg/ml

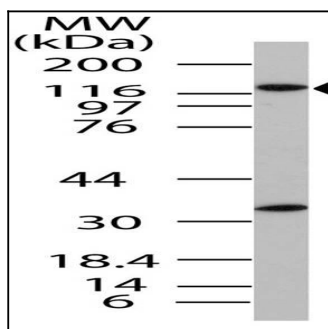


Fig-1: Western blot analysis of Importin-8. Anti- Importin-8 antibody (11-8011) was used at 2 µg/ml on Jurkat lysate.