

Exportin 5 (N-14): sc-34620

BACKGROUND

The karyopherin-related nuclear transport factor Exportin 5, also known as Exp5, preferentially recognizes and transports RNAs containing minihelix motifs, structural *cis*-acting export elements that comprise a double-stranded stem (14 nucleotides) with a base-paired 5' end and a 3-8-nucleotide protruding 3' end. Exportin 5 also mediates protein transport between the nuclear and cytoplasmic compartment. Exportin 5 belongs to a large family of karyopherins and stimulates nuclear export of dsRNA binding proteins eEF1A and tRNA.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: XPO5 (human) mapping to 6p21.1; Xpo5 (mouse) mapping to 17 C.

SOURCE

Exportin 5 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Exportin 5 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-34620 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

Exportin 5 (N-14) is recommended for detection of Exportin 5 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Exportin 5 (N-14) is also recommended for detection of Exportin 5 in additional species, including equine.

Suitable for use as control antibody for Exportin 5 siRNA (h): sc-45569, Exportin 5 siRNA (m): sc-45570, Exportin 5 shRNA Plasmid (h): sc-45569-SH, Exportin 5 shRNA Plasmid (m): sc-45570-SH, Exportin 5 shRNA (h) Lentiviral Particles: sc-45569-V and Exportin 5 shRNA (m) Lentiviral Particles: sc-45570-V.

Molecular Weight of Exportin 5: 136 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, HeLa nuclear extract: sc-2120 or HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
 Satisfaction
 Guaranteed

Try **Exportin 5 (A-11): sc-271036** or **Exportin 5 (A-4): sc-166789**, our highly recommended monoclonal alternatives to Exportin 5 (N-14).