

Recombinant

DGRmAb®

Importin 9 (DGR11533) Rabbit mAb

db14232

Package : 10µL 20µL 50µL 100µL

Product Name : Importin 9 (DGR11533) Rabbit mAb**Cat.No.:** db14232**Synonyms** : Imp9**Application** : WB, IHC-P, FC**Reactivity** : Human, Mouse**Host species** : Rabbit**Background**

Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity). Mediates the nuclear import of H2B histone (By similarity), RPS7 and RPL18A. Prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains. May also import H2A, H3, H4 histones (By similarity), RPL4 and RPL6.

Immunogen

A synthetic peptide of human Importin 9

Gene ID

55705

Swiss Prot

Q96P70

Synonyms

Imp9

Reactivity

Human, Mouse

Application

WB, IHC-P, FC

Recommended dilution

WB: 1:1000

IHC-P: 1:50-1:100

FC: 1:200-1:1000

Calculated MW

115 kDa

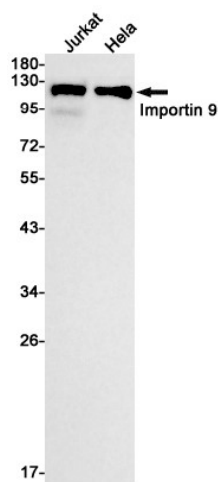
Observed MW

115 kDa

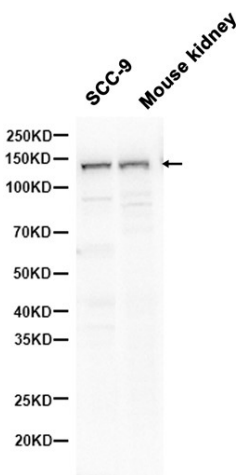
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR11533
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Importin 9/RANBP9 in Jurkat,HeLa cell lysates using Importin 9/RANBP9(1:1000 diluted).



Western blot analysis of extracts from SCC-9 cells and Mouse kidney tissue using db14232 at 1:1000.