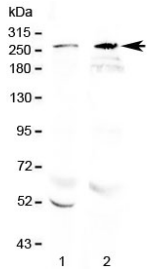
RanBP2 Antibody (C-Terminal Region) (R32877)

Catalog No.	Formulation	Size
R32877	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P49792
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RanBP2 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with RanBP2 antibody at 0.5ug/ml. Predicted molecular weight ~358 kDa, observed here at ~270 kDa.

Description

RAN binding protein 2 (RANBP2), also called NUP358 is protein which in humans is encoded by the RANBP2 gene. This gene encodes a very large RAN-binding protein that immunolocalizes to the nuclear pore complex. The protein is a giant scaffold and mosaic cyclophilin-related nucleoporin implicated in the Ran-GTPase cycle. And the encoded protein directly interacts with the E2 enzyme UBC9 and strongly enhances SUMO1 transfer from UBC9 to the SUMO1 target SP100. These findings place sumoylation at the cytoplasmic filaments of the nuclear pore complex and suggest that, for some

substrates, modification and nuclear import are linked events. This gene is partially duplicated in a gene cluster that lies in a hot spot for recombination on chromosome 2q.

Application Notes

Optimal dilution of the RanBP2 antibody should be determined by the researcher.

Immunogen

Amino acids 3018-3057 (EQLAVRFKTKEVADCFKKTFEECQQNLMKLQKGHVSLAAE) were used as the immunogen for the RanBP2 antibody.

Storage

After reconstitution, the RanBP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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