

RNF121 Antibody

Catalog # ASC11948

Product Information

Application	WB, ICC, E
Primary Accession	Q9H920
Other Accession	NP_060790 , 21361732
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	37882
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	RNF121 antibody can be used for detection of RNF121 by Western blot at 1 - 2 μ g/ml. Antibody can also be used for immunocytochemistry at 10 μ g/ml.

Additional Information

Gene ID	55298
Other Names	RING finger protein 121, RNF121
Target/Specificity	RNF121; RNF121 antibody is human, mouse and rat reactive. Multiple isoforms of RNF121 are known to exist.
Reconstitution & Storage	RNF121 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	RNF121 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RNF121
Function	E3 ubiquitin ligase which accepts ubiquitin and transfers it to substrates thereby promoting their degradation by the endoplasmic reticulum-associated degradation (ERAD) pathway which is a pathway involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (By similarity). May regulate the unfolded protein response to reduce endoplasmic reticulum stress (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q09251}; Multi-pass membrane protein

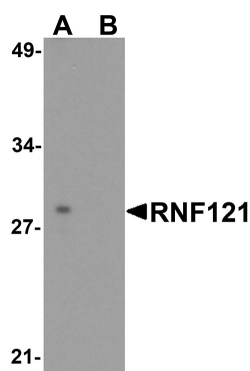
Background

RNF121 is an evolutionarily conserved E3 ligase ring finger protein that is expressed in the endoplasmic reticulum (1). It acts downstream of the unfolded protein response regulator protein kinase-like endoplasmic reticulum kinase (PERK). Overexpression of RNF121 during the early stages of gonad development led to aberrations in germline development and gonad migration, suggesting that it plays a role in endoplasmic reticulum-associated degradation machinery (1).

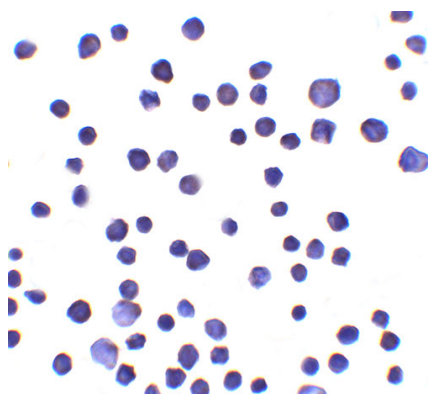
References

Darom A, Bening-Abu-Shach U, and Broday L. RNF-121 is an endoplasmic reticulum-membrane E3 ubiquitin ligase involved in the regulation of B-integrin. *Mol. Biol. Cell* 2010; 21:1788-98.

Images



Western blot analysis of RNF121 in MCF7 cell lysate with RNF121 antibody at 1 μ g/ml in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of RNF121 in MCF7 cells with RNF121 antibody at 10 μ g/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.