



RN139 mouse mAb

Catalog No	YP-mAb-12287
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RNF139 TRC8
Immunogen	Synthesized peptide derived from human RN139 AA range: 10-60
Specificity	This antibody detects endogenous levels of RN139 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	E3 ubiquitin-protein ligase RNF139;EC:2.3.2.27;HRCA1;RCA1;RING finger protein 139;RN139;RNF139 TRC8
Observed Band	
Calculated Molecular Weight	73kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in testis, placenta and adrenal gland. Moderate expression in heart, brain, liver, skeletal muscle and pancreas, and low expression in lung and kidney.
Function	disease:Defects in RNF139 are a cause of renal cell carcinoma (RCC) [MIM:144700]. A chromosomal aberration involving RNF139 is found in hereditary RCC. Translocation (3;8)(q14.2;q24.1) with FHIT. The result is RNF139 is found to be fused to FHIT and disrupted within the sterol-sensing domain. In contrast, the FHIT coding region is maintained and expressed. Sporadic RCC, where an acquired mutation in RNF139 results in the duplication of 12 nucleotides in the 5'-UTR, has also been identified.,domain:The RING-type zinc finger domain may be essential for ubiquitin ligase activity.,function:Potential tumor suppressor for renal cell carcinoma. Plays a role in mediating ubiquitination. May function as a signaling receptor.,



similarity:Contains 1 RING-type zinc finger.,subunit:Interacts with VHL.,tissue specificity:Highly expressed in testis, placenta and adrenal gland. Moderate expression in hea

Background

The protein encoded by this gene is a multi-membrane spanning protein containing a RING-H2 finger. This protein is located in the endoplasmic reticulum, and has been shown to possess ubiquitin ligase activity. This gene was found to be interrupted by a t(3:8) translocation in a family with hereditary renal and non-medulary thyroid cancer. Studies of the Drosophila counterpart suggested that this protein may interact with tumor suppressor protein VHL, as well as with COPS5/JAB1, a protein responsible for the degradation of tumor suppressor CDKN1B/P27KIP. [provided by RefSeq, Jul 2008],

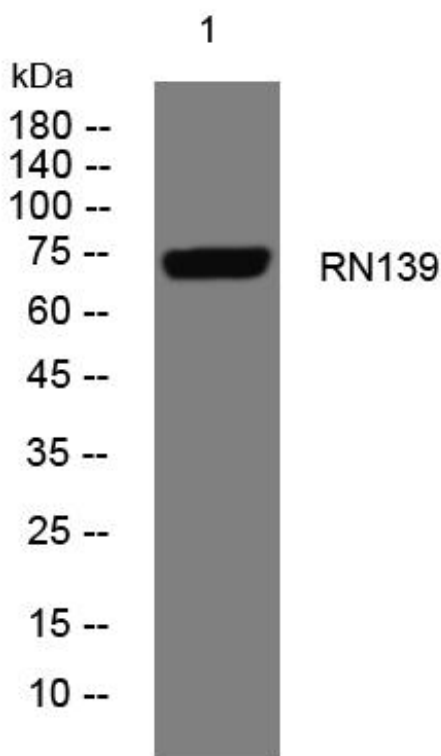
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using RN139 mouse mAb