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Rabbit Anti-RNF135 antibody

SL11753R

Product Name:	RNF135
Chinese Name:	Ring finger protein135抗体
Alias:	L13; MGC13061; ring finger protein 135; RN135_HUMAN .
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF135:288-360/432
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. RNF135 (RING finger protein 135), also known as L13, is a 432 amino acid protein that contains one RING-type zinc finger and one SPRY domain. Via its RING-type zinc finger, RNF135 may play a role in transcriptional regulation and protein degradation events. Defects in the gene encoding

RNF135 are the cause of RNF135-related overgrowth syndrome which is characterized by learning disabilities, facial dysmorphism and increased weight and height. Multiple isoforms of RNF135 exist due to alternative splicing events.

Function:
The protein encoded by RNF135 contains a RING finger domain, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. This gene is located in a chromosomal region known to be frequently deleted in patients with neurofibromatosis.

Subunit:
Interacts with DDX58. Interacts with PCBP2.

Subcellular Location:
Cytoplasmic

Tissue Specificity:
Expressed in skeletal muscle, spleen, kidney,placenta, prostate, stomach, thyroid and tongue. Also weaklyexpressed in heart, thymus, liver and lung.

Post-translational modifications:
Defects in RNF135 are the cause of macrocephalymacrosomia facial dysmorphism syndrome (MMFD) [MIM:614192]. MMFD isan autosomal dominant disorder characterized by the association ofmacrothrombocytopathy and progressive sensorineural hearing losswithout renal dysfunction.

Similarity:
Contains 1 B30.2/SPRY domain.
Contains 1 RING-type zinc finger.

SWISS:
Q8IUD6

Gene ID:
84282

Database links:

Entrez Gene: 84282Human

Entrez Gene: 71956Mouse

Omim: 611358Human

SwissProt: Q8IUD6Human

SwissProt: Q9CWS1Mouse

	Unigene: 29874Human Unigene: 22985Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.