10320 Camino Santa Fe, Suite G
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RNF12 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59172

Specification

RNF12 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q9NVW2
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**69 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human RNF12**
Epitope Specificity	**525-624/624**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasmic and Nuclear**
SIMILARITY	**Belongs to the RNF12 family. Contains 1 RING-type zinc finger.**
SUBUNIT	**Interacts with LIM/homeobox factors such as LHX3. Interacts with LDB1, LDB2 and SIN3A (By similarity). Interacts with LIMK1 (By similarity). Interacts (via N-terminus) with TERF1. Interacts (via C-terminus) with ESR1.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
RLIM, also known as RNF12 (RING finger protein 12) or NY-REN-43, is a 624 amino acid RING-H2 zinc finger protein that is involved in protein ubiquitinylation and subsequent degradation. Expressed in a variety of tissues, RLIM binds to the LIM domain of various proteins and functions as a protein ligase that negatively co-regulates LIM homeodomain (LIM-HD) transcription factors. Through its interaction with Sin3A, a component of the histone deacetylase corepressor complex, RLIM is able to recruit the corepressor complex to LIM-HD proteins, thereby inhibiting LIM-HD transcription. In addition to recruiting the deacetylase complex to LIM-HD proteins, RLIM is able to bind to, ubiquinate and subsequently degrade CLIM proteins, which function as positive co-regulators of LIM-HD transcription factors. RLIM contains one RING-type zinc finger and is implicated in renal cell carcinoma.

RNF12 Polyclonal Antibody - Additional Information

Gene ID 51132

Other Names
E3 ubiquitin-protein ligase RLIM, 2.3.2.27, LIM domain-interacting RING finger protein, RING finger LIM domain-binding protein, R-LIM, RING finger protein 12, RING-type E3 ubiquitin transferase RLIM, Renal carcinoma antigen NY-REN-43, RLIM, RNF12

Target/Specificity
Expressed in many tissues.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. 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 ℃.

RNF12 Polyclonal Antibody - Protein Information

Name RLIM

Synonyms RNF12

Function
E3 ubiquitin-protein ligase. Acts as a negative coregulator for LIM homeodomain transcription factors by mediating the ubiquitination and subsequent degradation of LIM cofactors LDB1 and LDB2 and by mediating the recruitment the SIN3a/histone deacetylase corepressor complex. Ubiquitination and degradation of LIM cofactors LDB1 and LDB2 allows DNA-bound LIM homeodomain transcription factors to interact with other protein partners such as RLIM. Plays a role in telomere length-mediated growth suppression by mediating the ubiquitination and degradation of TERF1. By targeting ZFP42 for degradation, acts as an activator of random inactivation of X chromosome in the embryo, a stochastic process in which one X chromosome is inactivated to minimize sex-related dosage differences of X-encoded genes in somatic cells of female placental mammals.

Cellular Location
Nucleus

Tissue Location
Expressed in many tissues.

RNF12 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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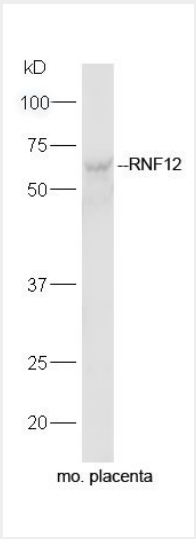
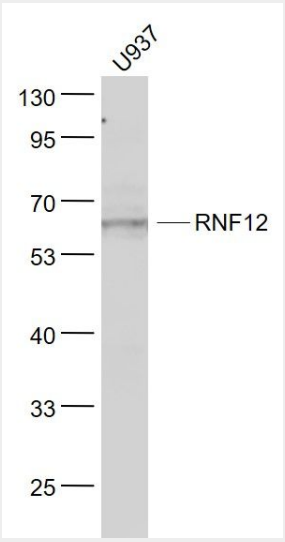
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF12 Polyclonal Antibody - Images



Sample:
placenta (Mouse) Lysate at 40 ug
Primary: Anti-RNF12 (bs-9177R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 69 kD
Observed band size: 69 kD



Sample:
U937(Human) Cell Lysate at 30 ug
Primary: Anti- RNF12 (bs-9177R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 69 kD
Observed band size: 67 kD

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