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RNF113A Rabbit pAb

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Catalog # AP59195

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O15541
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38787
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF113A
Epitope Specificity	51-150/343
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	Nuclear
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RNF113A is a novel gene whose function cannot directly be inferred from it's sequence analysis. Ring finger proteins have a role in signalling the destruction of a range of heterologous protein substrates. They are small zinc binding domains present within arrays of larger, functionally distinct proteins, often close to the amino or carboxyl termini. RNF113A is a ubiquitously expressed protein that contains a RING type zinc finger and a C3H1 type zinc finger.

Additional Information

Gene ID	7737
Other Names	E3 ubiquitin-protein ligase RNF113A, 2.3.2.27, Cwc24 homolog, RING finger protein 113A, Zinc finger protein 183, RNF113A, RNF113, ZNF183 {ECO:0000303|PubMed:9224902}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C 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 °C.

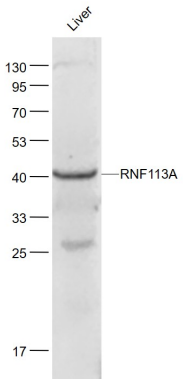
Protein Information

Name	RNF113A
Synonyms	RNF113, ZNF183 {ECO:0000303|PubMed:92249
Function	Required for pre-mRNA splicing as component of the spliceosome (PubMed:29360106, PubMed:29361316). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre- mRNAs (Probable). E3 ubiquitin-protein ligase that catalyzes the transfer of ubiquitin onto target proteins (PubMed:28978524, PubMed:29144457). Catalyzes polyubiquitination of SNRNP200/BRR2 with non-canonical 'Lys-63'-linked polyubiquitin chains (PubMed:29144457). Plays a role in DNA repair via its role in the synthesis of 'Lys-63'- linked polyubiquitin chains that recruit ALKBH3 and the ASCC complex to sites of DNA damage by alkylating agents (PubMed:29144457). Ubiquitinates CXCR4, leading to its degradation, and thereby contributes to the termination of CXCR4 signaling (PubMed:28978524).
Cellular Location	Nucleus. Nucleus speckle. Note=Colocalizes with ASCC2 in nuclear foci after DNA damage by alkylating agents. In the absence of DNA damage, colocalizes with the spliceosome components SNRNP200/BRR2 and PRPF8 in nuclear speckles.
Tissue Location	Ubiquitous..

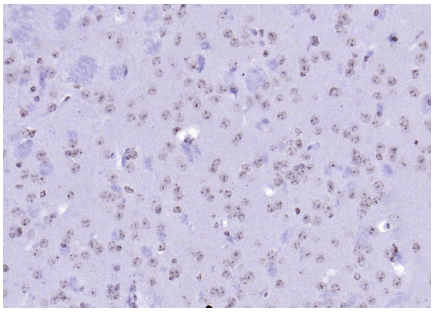
Background

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Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-RNF113A (AP59195) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF113A) Polyclonal Antibody, Unconjugated (AP59195) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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