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RNF39 Rabbit pAb

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Catalog # AP54485

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H2S5
Reactivity	Human, Mouse
Predicted	Rat, Dog, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45525
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF39
Epitope Specificity	182-230/420
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	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. RNF39 (RING finger protein 39), also known as HZFW, HZF or LIRF, is a 420 amino acid protein that localizes to the cytoplasm and contains one RING-type zinc finger and one SPRY domain. Expressed in testis, RNF39 is thought to play a role in maintaining prolonged LTP (long term-potentiation, or the process by which synaptic strength continues to increases following chemical stimulation). Via its ability to influence the length of the LTP response, RNF39 functions to regulate early synaptic plasticity. Multiple isoforms of RNF39 exist due to alternative splicing events.

Additional Information

Gene ID	80352
Other Names	RING finger protein 39, 2.3.2.27, Protein HZFw, RNF39, HZFW
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	RNF39
Synonyms	HZFW
Function	Plays an inhibitory role in anti-RNA viral innate immunity by targeting the adapter DDX3X and promoting its 'Lys-48'-linked polyubiquitination (PubMed:33674311). Alternatively, enhances the cGAS- STING pathway activation by promoting 'Lys-63'-linked ubiquitination of STING1, facilitating the STING1-TBK1 complex formation and STING1 activation (PubMed:39255680).
Cellular Location	Cytoplasm.
Tissue Location	Expressed in testis..

Background

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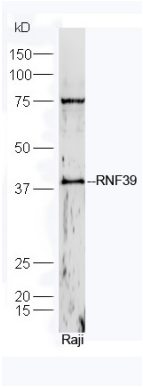
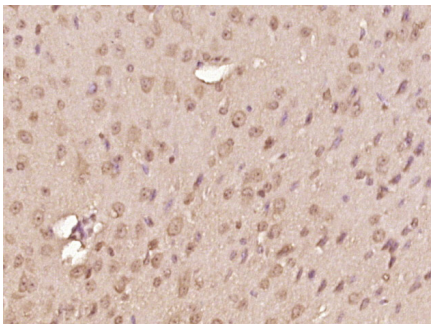
Images



Protein: Raji lysate at 40ug;
Primary: rabbit Anti-RNF39 (AP54485) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(AP54485-HRP) at 1: 5000;
Predicted band size: 38/45 kD
Observed band size: 38 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (RNF39) Polyclonal Antibody, Unconjugated (AP54485) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.