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[Primary Antibody]

Rabbit Anti-FNBP4 antibody

Catalog Number: SL16156R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FNBP4
Immunogen:	KLH conjugated synthetic peptide derived from human FNBP4: 921-1017/1017
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	110kDa
Subcellular Location:	The nucleus
Background:	FNBP4 is a 1,017 amino acid protein that contains two WW domains and binds to the Arg/Gly-rich-flanked Pro-rich domains of Formin 1, possibly regulating Formin 1 function. In response to DNA damage, FNBP4 is subject to post-translational phosphorylation, probably by ATM or ATR. The gene encoding FNBP4 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. **Function:** FNBP4 (Formin binding protein 4) binds FMN1. It contains 2 WW

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	domains which interact with the Arg/Gly-rich-flanked Pro-rich domains of KHDRBS1/SAM68. Arginine methylation in these regions has no effect on this binding. **Similarity:** Contains 2 WW domains. **Database links:** **Entrez Gene:** 23360 Human **Entrez Gene:** 55935 Mouse **Entrez Gene:** 311183 Rat **SwissProt:** Q8N3X1 Human **SwissProt:** Q6ZQ03 Mouse

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