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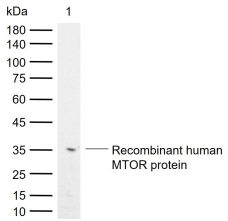
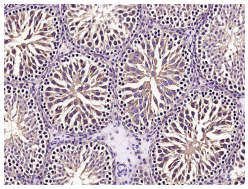
MTOR Rabbit pAb

Catalog Number:	bs-1992R
Target Protein:	MTOR
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1μg /test), ICC/IF (1:100)
Reactivity:	Human, Mouse, Rat, Chicken (predicted:Rabbit, Sheep, Cow, Dog, Horse, Goat)
Predicted MW:	289 kDa
Entrez Gene:	2475
Swiss Prot:	P42345
Source:	KLH conjugated synthetic peptide derived from human mTOR : 2401-2549/2549.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	mTOR is one of a family of proteins involved in cell cycle progression, DNA recombination, and DNA damage detection. In rat, it is a 289-kDa protein (symbolized RAFT1) with significant homology to the Saccharomyces cerevisiae protein TOR1 and has been shown to associate with the immunophilin FKBP12 in a rapamycin dependent fashion. The FKBP12-rapamycin complex is known to inhibit progression through the G1 cell cycle stage by interfering with mitogenic signaling pathways involved in G1 progression in several cell types, as well as in yeast. The binding of FRAP to FKBP12-rapamycin correlated with the ability of these ligands to inhibit cell cycle progression.

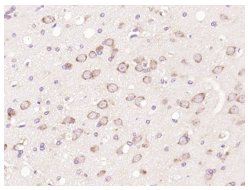
VALIDATION IMAGES



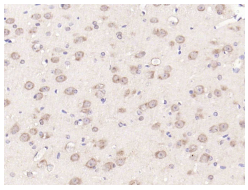
Sample: Lane 1: Recombinant human MTOR protein, N-His(bs-42341P) Primary: Anti-MTOR (bs-1992R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 289 kDa Observed band size: 35 kDa



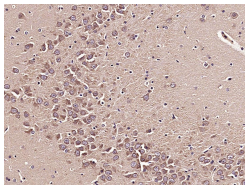
Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (MTOR) Polyclonal Antibody, Unconjugated (bs-1992R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



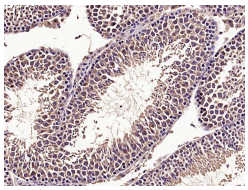
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MTOR) Polyclonal Antibody, Unconjugated (bs-1992R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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 (MTOR) Polyclonal Antibody, Unconjugated (bs-1992R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (MTOR) Polyclonal Antibody, Unconjugated (bs-1992R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (MTOR) Polyclonal Antibody, Unconjugated (bs-1992R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.753] Lu Yu. et al. Chronic arsenic exposure induces ferroptosis via enhancing ferritinophagy in chicken livers. SCI TOTAL ENVIRON. 2023 May;:164172 WB ; Chicken . 37201840

[IF=10.041] Peidong You. et al. Targeting and promoting atherosclerosis regression using hybrid membrane coated nanomaterials via alleviated inflammation and enhanced autophagy. Appl Mater Today. 2022 Mar;26:101386 WB ; Mouse . 10.1016/j.apmt.2022.101386

[IF=8.886] Bolin Cai. et al. LncEDCH1 improves mitochondrial function to reduce muscle atrophy by interacting with sarcoplasmic/endoplasmic reticulum calcium ATPase 2. Mol Ther-Nucl Acids. 2021 Dec;: WB ; Chicken . 35024244

[IF=7.561] Qihong Zhang. et al. ACSL1 Inhibits ALV-J Replication by IFN- I Signaling and PI3K/Akt Pathway. Front Immunol. 2021; 12: 774323 WB ; Chicken . 34777393

[IF=7.65] Wang Y et al. Targeting the miR-122/PKM2 autophagy axis relieves arsenic stress。 Journal of Hazardous Materials. 2019 Sep. WB ; Chicken . 31546213