[Primary Antibody]

phospho-PKR (Thr451) Rabbit pAb



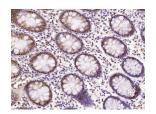
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– DATASHEET ––––		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500) IHC-F (1:100-500)
GenelD: 5610	SWISS: P19525	IF (1:100-500)
Target: PKR (Thr4	51)	ICC/IF (1:100)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PKR around the phosphorylation site of Thr451: KG(p-T)LR.		n Reactivity: Human, Mouse
Purification: affinity pu	rified by Protein A	
Concentration: 1mg/ml		Prodicted
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.		Predicted MW.: ^{62 kDa}
, , , , , , , , , , , , , , , , , , ,	t 4°C. Store at -20°C for one year. Avoid repeated w cycles.	Subcellular Location: Cytoplasm ,Nucleus
kinase. It i activated leads to au Thr446 an and in vitr natural su synthesis i protein sy mediates a inflammat suppressir also phosp role in ER Alzheimer		f

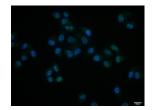
– VALIDATION IMAGES



Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- p-PKR (Thr451) (bs-3336R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD Observed band size: 62 kD Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti- p-PKR(Thr451) (bs-3336R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD Observed band size: 62 kD



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); 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 (Phospho-PKR (Thr451)) Polyclonal /Monoclonal Antibody, Unconjugated (bs-3336R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-PKR (Thr451)) polyclonal Antibody, Unconjugated (bs-3336R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

- [IF=6.8] Lu, Danli. et al. Melatonin Offers Dual-Phase Protection to Brain Vessel Endothelial Cells in Prolonged Cerebral Ischemia-Recanalization Through Ameliorating ER Stress and Resolving Refractory Stress Granule. TRANSL STROKE RES. 2022 Oct;:1-19 WB,IP ;MOUSE. 36181629
- [IF=5.2] Yue Hu. et al. PKR Inhibition Prevents Neuroinflammation and Rescues Depressive-Like Behaviors via BDNF/TrkB Signaling. JOURNAL OF NEUROIMMUNE PHARMACOLOGY. 2025 Feb 4;20(1):13. Western blot; Rabbit. 39903347
- [IF=4.9] Weifen Li. et al.Uncoupling serotonin (2C) and dopamine (D2) receptor heterodimers ameliorate PTSD-like behaviors..JOURNAL OF AFFECTIVE DISORDERS.2025 Mar 21:380:63-77. Western blot ;Human,Mouse. 40122260