

bs-2168R**[Primary Antibody]****BioSS**
ANTIBODIES

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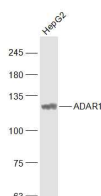
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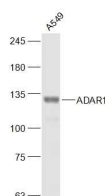
400-901-9800

ADAR1 Rabbit pAb**— DATASHEET —**

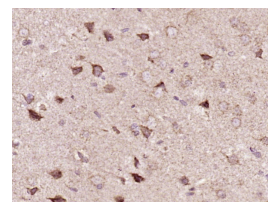
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 103	SWISS: P55265	IHC-F (1:100-500)
Target: ADAR1		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human DRADA: 1001-1226/1226.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 135 kDa
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.		Subcellular Location: Cytoplasm ,Nucleus
Background: ADAR1 converts adenosine to inosine in dsRNA, which destabilizes the dsRNA helix. This activity is important for various functions like site-specific RNA editing of transcripts of the glutamate receptors and modifying viral RNA genomes (which may be responsible for hypermutation of certain negative-stranded viruses, e.g., measles virus). ADAR1 also binds to short interfering RNAs (siRNA) without editing them and suppresses siRNA-mediated RNA interference. This protein is ubiquitously expressed, with the highest levels being found in brain and lung.		

— VALIDATION IMAGES —

Sample: HepG2(Human) Cell Lysate at 30 ug
 Primary: Anti-ADAR1 (bs-2168R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 135 kD Observed band size: 110 kD



Sample: A549(Human) Cell Lysate at 30 ug
 Primary: Anti-ADAR1 (bs-2168R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 135 kD Observed band size: 110 kD



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 (ADAR1) Polyclonal Antibody, Unconjugated (bs-2168R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=9.2]** Wang Zhipeng. et al. A novel mechanism for A-to-I RNA-edited CYP1A1 in promoting cancer progression in NSCLC. CELL MOL BIOL LETT. 2025 Dec;30(1):1-21 WB ;Human. 40175891
- **[IF=6.543]** Zheng Ping. et al. circHtra1/miR-3960/GRB10 Axis Promotes Neuronal Loss and Immune Deficiency in Traumatic Brain Injury. OXID MED CELL LONGEV. 2022;2022:3522492 WB ;Human. 35571247
- **[IF=6.481]** Li Jia. et al. Integrated analysis of RNA methylation regulators crosstalk and immune infiltration for predictive and personalized therapy of diabetic nephropathy. HUM GENOMICS. 2023 Dec;17(1):1-19 WB,IF

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

;Mouse,Human. 36765416

- **[IF=2.959]** Chen W et al. Astrocytic insulin - like growth factor - 1 prevents excitotoxic downregulation of adenosine deaminase acting on RNA in calcium dynamics. (2018) J. Cell. Biochem. WB ;Rat. 30536987