bs-2167R **[Primary Antibody]**

ADAR1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 103 **SWISS:** P55265

Target: ADAR1

Immunogen: KLH conjugated synthetic peptide derived from human DRADA: 151-250/1226.

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

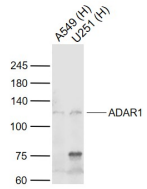
Applications: **WB** (1:500-2000)
Flow-Cyt (2ug/Test)
ICC/IF (1:25)

Reactivity: Human

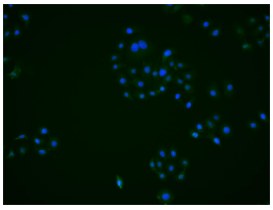
Predicted MW.: 135 kDa

Subcellular Location: Cytoplasm ,Nucleus

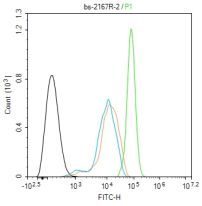
VALIDATION IMAGES



Sample: Lane 1: A549 (Human) Cell Lysate at 30 ug Lane 2: U251 (Human) Cell Lysate at 30 ug Primary: Anti-ADAR1 (bs-2167R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 150/110 kD Observed band size: 110 kD



HepG2 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 (ADAR1) polyclonal Antibody, Unconjugated (bs-2167R) 1:25, 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.



Blank control（black line）:HepG2. Primary Antibody (green line): Rabbit Anti-ADAR1 antibody (bs-2167R) Dilution:2ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.