

**bs-5392R****[ Primary Antibody ]****phospho-HOMER3 (Thr36) Rabbit pAb****Bioss**  
**ANTIBODIES**

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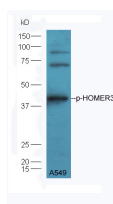
sales@bioss.com.cn

techsupport@bioss.com.cn

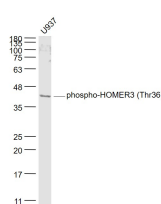
400-901-9800

**— DATASHEET —**

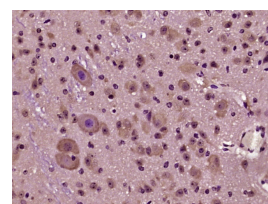
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Chicken, Dog)  <b>Predicted MW.:</b> 40 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9454	<b>SWISS:</b> Q9NSC5	
<b>Target:</b> phospho-HOMER3 (Thr36)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human HOMER3 around the phosphorylation site of Thr36: AL(p-T)VS.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> This gene encodes a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. The encoded protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides. Alternative splicing results in multiple transcript variants.		

**— VALIDATION IMAGES —**

Sample: A549 Cell (Human) Lysate at 40 ug  
Primary: Anti- phospho-HOMER3 (Thr36)  
(bs-5392R) at 1/300 dilution Secondary: HRP  
conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP)  
at 1/5000 dilution Predicted band size: 40 kD  
Observed band size: 40 kD



Sample: U937(Human) Cell Lysate at 30 ug  
Primary: Anti- phospho-HOMER3 (Thr36)  
(bs-5392R) at 1/1000 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 40 kD Observed  
band size: 40 kD



Paraformaldehyde-fixed, paraffin embedded  
(mouse cerebellum); 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 (HOMER3 (Thr36)) Polyclonal  
Antibody, Unconjugated (bs-5392R) at 1:400  
overnight at 4°C, followed by operating  
according to SP Kit(Rabbit) (sp-0023)  
instructions and DAB staining.