

**bs-1504R****[ Primary Antibody ]****RAP1A Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

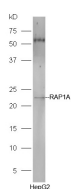
sales@bioss.com.cn

techsupport@bioss.com.cn

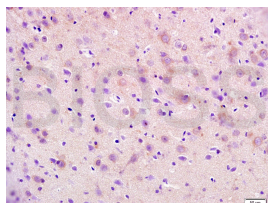
400-901-9800

**— DATASHEET —**

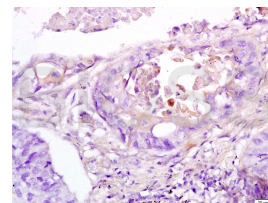
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5906 <b>Target:</b> RAP1A <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human RAP1A: 101-184/184. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% 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 Ras family of small GTPases. The encoded protein undergoes a change in conformational state and activity, depending on whether it is bound to GTP or GDP. This protein is activated by several types of guanine nucleotide exchange factors (GEFs), and inactivated by two groups of GTPase-activating proteins (GAPs). The activation status of the encoded protein is therefore affected by the balance of intracellular levels of GEFs and GAPs. The encoded protein regulates signaling pathways that affect cell proliferation and adhesion, and may play a role in tumor malignancy. Pseudogenes of this gene have been defined on chromosomes 14 and 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014].	<b>Isotype:</b> IgG <b>SWISS:</b> P62834	<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, Cow, Chicken, Horse) <b>Predicted MW.:</b> 21 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
--	---	---

**— VALIDATION IMAGES —**

Sample: HepG2 Cell (Human) Lysate at 30 ug  
 Primary: Anti-RAP1A (bs-1504R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 21 kD  
 Observed band size: 22 kD



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-RAP1A Polyclonal Antibody, Unconjugated(bs-1504R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung cancer tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-RAP1A Polyclonal Antibody, Unconjugated(bs-1504R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=7]** Kentaro Kaneko. et al. The small GTPase Rap1 in POMC neurons regulates leptin actions and glucose metabolism. *molecular metabolism*. 2025 Feb 28;95:102117. IHC ;Mouse. 4002457
- **[IF=6.205]** Kentaro Kaneko. et al. Rap1 in the VMH regulates glucose homeostasis. *Jci Insight*. 2021 May;() :142545 IHC ;Mouse. 33974562

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