

**bs-1109R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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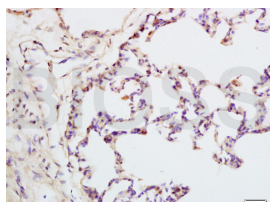
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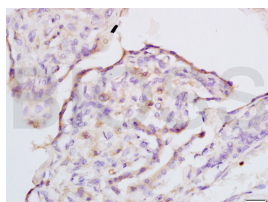
400-901-9800

**IQGAP1 Rabbit pAb****— DATASHEET —**

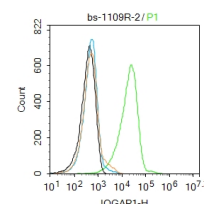
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 8826	<b>SWISS:</b> P46940	
<b>Target:</b> IQGAP1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IQGAP1: 1451-1550/1657.		<b>Reactivity:</b> Human, Rat, Rabbit (predicted: Mouse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 189 kDa
<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>Subcellular Location:</b> Cell membrane ,Nucleus
<b>Background:</b> IQGAP1 is a widely expressed protein than interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology. It binds to activated CDC42 but does not stimulate its GTPase activity. It associates with calmodulin. Could serve as an assembly scaffold for the organization of a multimolecular complex that would interface incoming signals to the reorganization of the actin cytoskeleton at the plasma membrane. May promote neurite outgrowth.		

**— VALIDATION IMAGES —**

Tissue/cell: rat lung 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-IQGAP1 Polyclonal Antibody, Unconjugated(bs-1109R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rabbit placenta 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-IQGAP1 Polyclonal Antibody, Unconjugated(bs-1109R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: U87MG. Primary Antibody (green line): Rabbit Anti-IQGAP1 antibody (bs-1109R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were 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.

**— SELECTED CITATIONS —**

- **[IF=5.942]** Sheen YS et al. Purpuric drug eruptions induced by EGFR tyrosine kinase inhibitors are associated with IQGAP1 - mediated increase in vascular permeability. J Pathol. 2020 Feb 7. ICC ;Human. 32030757
- **[IF=4.67]** Fang, Jing, et al. "PAX6 down-regulates miR-124 expression to promote cell migration during embryonic stem cell differentiation." Stem Cells and Development (2014). Other ;Mouse. 24773074