

**bs-5181R****[ Primary Antibody ]****Bioss**  
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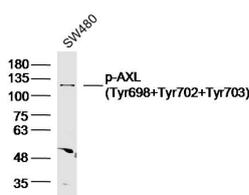
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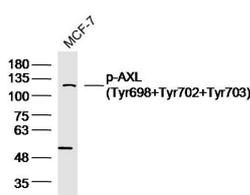
400-901-9800

**phospho-AXL (Tyr698+Tyr702+Tyr703) Rabbit pAb****DATASHEET**

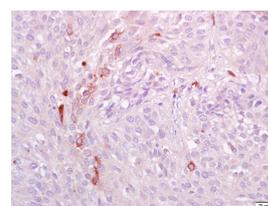
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|--|--|--|
| <p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 558</p> <p><b>Target:</b> phospho-AXL (Tyr698+Tyr702+Tyr703)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human AXL around the phosphorylation site of Tyr698+Tyr702+Tyr703: KI(p-Y)NGD(p-Y)(p-Y)RQ.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br/>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p><b>Background:</b> The protein encoded by this gene is a member of the receptor tyrosine kinase subfamily. Although it is similar to other receptor tyrosine kinases, the Axl protein represents a unique structure of the extracellular region that juxtaposes IgL and FNIII repeats. It transduces signals from the extracellular matrix into the cytoplasm by binding growth factors such as vitamin K dependent protein growth arrest specific gene 6. It is involved in the stimulation of cell proliferation. This receptor can also mediate cell aggregation by homophilic binding. Axl is a chronic myelogenous leukemia associated oncogene and also associated with colon cancer and melanoma. The Axl gene is evolutionarily conserved between vertebrate species. This gene has two different alternatively spliced transcript variants (AXL1 and AXL2).</p> | <p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> P30530</p> | <p><b>Applications:</b> <b>WB</b> (1:500-2000)<br/><b>IHC-P</b> (1:100-500)<br/><b>IHC-F</b> (1:100-500)<br/><b>IF</b> (1:100-500)</p> <p><b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)</p> <p><b>Predicted MW.:</b> 95 kDa</p> <p><b>Subcellular Location:</b> Cell membrane</p> |
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**VALIDATION IMAGES**

Sample: SW480 Cell (Human) Lysate at 40 ug  
Primary: Anti-phospho-AXL (Tyr698+Tyr702+Tyr703) (bs-5181R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 95 kD Observed band size: 120 kD



Sample: MCF-7 Cell (Human) Lysate at 40 ug  
Primary: Anti-phospho-AXL (Tyr698+Tyr702+Tyr703) (bs-5181R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 95 kD Observed band size: 120 kD



Tissue/cell: human lung carcinoma; 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-phospho-AXL (Tyr698+Tyr702+Tyr703) Polyclonal Antibody, Unconjugated (bs-5181R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

**SELECTED CITATIONS**

- **[IF=17.694]** Zhuang Wan-Ru. et al. Bacterial outer membrane vesicle based versatile nanosystem boosts the efferocytosis blockade triggered tumor-specific immunity. NAT COMMUN. 2023 Mar;14(1):1-15 WB ;Mouse. 36966130
- **[IF=8.786]** Yongquan Han. et al. Axl promotes intracranial aneurysm rupture by regulating macrophage polarization

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

- toward M1 via STAT1/HIF-1 $\alpha$ . FRONT IMMUNOL. 2023; 14: 1158758 WB ;Mouse. 37223093
- **[IF=7.561]** Zhen-Ni Guo. et al. GAS6/Axl Signaling Modulates Blood-Brain Barrier Function Following Intravenous Thrombolysis in Acute Ischemic Stroke. Front Immunol. 2021; 12: 742359 WB ;Rat. 34733281
  - **[IF=7.3]** Quanyu Chen. et al. Comparative effects of hepatocyte growth factor and tacrolimus on acute liver allograft early tolerance. FRONT IMMUNOL. 2023; 14: 1162439 IHC,ELISA ;Rat. 37614233
  - **[IF=5.882]** Wangrui Lei. et al. Psoralidin protects against cerebral hypoxia/reoxygenation injury: Role of GAS6/Axl signaling. PHYTOTHER RES. 2022 May 18 WB ;Human,Mouse. 35583809