

**bs-9391R****[ Primary Antibody ]****SMURF1 Rabbit pAb****Bioss**  
**ANTIBODIES**

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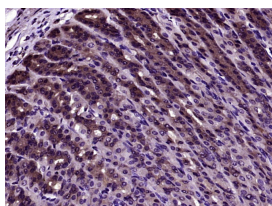
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:50-200)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 57154	<b>SWISS:</b> Q9HCE7	
<b>Target:</b> SMURF1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SMURF1: 65-170/757.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Cow, Chicken, Dog, Horse)
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 83 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 ,Cytoplasm
<b>Background:</b> E3 ubiquitin-protein ligase that acts as a negative regulator of BMP signaling pathway. Acts by mediating ubiquitination and degradation of SMAD1 and SMAD5, 2 receptor-regulated SMADs specific for the BMP pathway. Promotes ubiquitination and subsequent proteasomal degradation of TRAF family members.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); 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 (SMURF1) Polyclonal Antibody, Unconjugated (bs-9391R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=37.3]** Song Runjie. et al. A novel polypeptide CAPG-171aa encoded by circCAPG plays a critical role in triple-negative breast cancer. MOL CANCER. 2023 Dec;22(1):1-20 WB ;Human. 37408008
- **[IF=4.534]** Weng S et al. Improvement of muscular atrophy by AAV-SaCas9-mediated myostatin gene editing in aged mice. Cancer Gene Ther. 2020 Dec;27(12):960-975. WB ;Mouse. 32398787
- **[IF=3.3]** Xunhu Gu. et al. METTL14-Mediated m6A Modification of TUG1 Represses Ferroptosis in Alzheimer's Disease via Inhibiting GDF15 Ubiquitination. FRONT BIOSCI-LANDMRK. 2024 Aug;29(8):298 WB ;Human. 39206905