bs-9391R **[Primary Antibody]**

SMURF1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 57154 **SWISS:** Q9HCE7

Target: SMURF1

Immunogen: KLH conjugated synthetic peptide derived from human SMURF1: 65-170/757.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: 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.

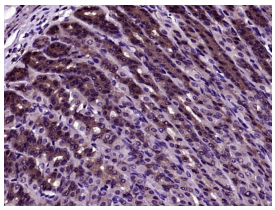
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:50-200)

Reactivity: Rat (predicted: Human, Mouse, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 83 kDa

Subcellular Location: Cell membrane ,Cytoplasm

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) instructionsand 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