

**bs-1373R****[ Primary Antibody ]**

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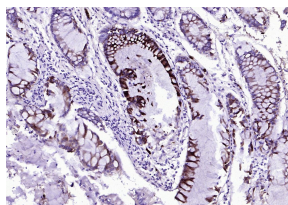
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**Lipocalin 2/NGAL Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 3934 <b>Target:</b> Lipocalin 2/NGAL <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Lipocalin 2: 101-198/198. <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> Lipocalin 2 is a member of the lipocalin family which encompass more than 25 members (including proteins like retinol binding protein, a1 microglobulin, b lactoglobulin, apolipoprotein D and odorant binding protein). The members of the lipocalin family are characterized by their ability to bind small lipophilic substances in their hydrophobic core, and thereby serve as transporters of substances.	<b>Isotype:</b> IgG <b>SWISS:</b> P80188	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) <b>Reactivity:</b> Human <b>Predicted MW.:</b> 20 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Lipocalin 2/NGAL Polyclonal Antibody, Unconjugated (bs-1373R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=10.7]** Xi Jin. et al. Single-Cell RNA Sequencing Analysis Reveals the Role of Macrophage-Mediated CD44-AKT-CCL2 Pathways in Renal Tubule Injury during Calcium Oxalate Crystal Formation. Research. 2025 May;8:0690 IF ;Mouse. 40330661
- **[IF=8.3]** Lingjiao Li. et al. Mitigation of Cisplatin-Induced Nephrotoxicity and Augmentation of Anticancer Potency via Tea Polyphenol Nanoparticles' Codelivery of siRNA from CRISPR/Cas9 Screened Targets. ACS APPL MATER INTER. 2024;XXXX(XXX):XXX-XXX IHC ;Mouse. 39460726
- **[IF=6.16]** Xing, Changhong, et al. "Neuronal Production of Lipocalin-2 as a Help-Me Signal for Glial Activation." Stroke (2014): STROKEAHA-114. IHC ;Human. 24916903
- **[IF=5.5]** Hangbing Cao. et al. Nicotine suppresses crystalline silica-induced astrocyte activation and neuronal death by inhibiting NF-κB in the mouse hippocampus. CNS NEUROSCI THER. 2023 Oct;: IF ;Mouse. 37864452

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

- **[IF=3.647]** Lin D et al. Aldehyde dehydrogenase 2 regulates autophagy via the Akt-mTOR pathway to mitigate renal ischemia-reperfusion injury in hypothermic machine perfusion. Life Sci . 2020 Jul 15;253:117705. IHC,WB ;mouse. 32334008