



# Anti-LCN2 polyclonal antibody [Biotin] (DPABY-426)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The Lipocalin family comprises a diverse group of mostly secreted soluble proteins that bind hydrophobic ligands and act as transporters, carrying small molecules to specific cells. Lipocalins are related by possessing an 8-stranded beta-barrel structure. Lipocalin-1, also named tear lipocalin (TL), von Ebners gland protein (VEG) and tear pre-albumin, binds a large number of hydrophobic molecules and exhibits cysteine proteinase inhibitor and endonuclear activities. Lipocalin-2, also known as neutrophil gelatinase-associated lipocalin (NGAL), is a component of granules in neutrophils from tissues that are normally exposed to microorganisms and is upregulated during inflammation. Lipocalin-2 can form homodimers and can heterodimerize with the neutrophil gelatinase MMP-9.
<b>Specificity</b>	Detects rat Lipocalin-2/NGAL in ELISAs and detects rat and mouse Lipocalin-2/NGAL in Western blots. In sandwich ELISAs, less than 0.4% cross-reactivity with recombinant mouse Lipocalin-2 is observed and less than 0.2% cross-reactivity with recombinant human (rh) Lipocalin-1 and rhLipocalin-2 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant rat Lipocalin-2/NGAL. Gln21-Asn198 Accession Number P30152
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Rat
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)

<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lcn2 lipocalin 2 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	LCN2
<b>Synonyms</b>	LCN2; lipocalin 2; Sip24; neutrophil gelatinase-associated lipocalin; p25; NGAL; lipocalin-2; siderocalin LCN2; lipocalin 2 (oncogene 24p3); alpha-2U globulin-related protein; alpha-2-microglobulin-related protein;
<b>Entrez Gene ID</b>	<a href="#">170496</a>
<b>Protein Refseq</b>	<a href="#">NP_570097</a>
<b>UniProt ID</b>	<a href="#">P30152</a>
<b>Chromosome Location</b>	3p11
<b>Function</b>	iron ion binding; protease binding; protein homodimerization activity; small molecule binding; transporter activity;