



Anti-LCN2 polyclonal antibody (DPABY-287)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Detects ratLipocalin-2/NGAL in ELISAs and detects rat and mouse Lipocalin-2/NGALin Western blots. In sandwich ELISAs, less than 0.4%cross-reactivity with recombinantmouse (rm) Lipocalin-2/NGAL-2 is observed and less than 0.2% cross-reactivity with recombinant human (rh) Lipocalin-1/NGAL-1, rhLipocalin-2/NGAL-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat Lipocalin-2/NGAL. Gln21-Asn198 Accession Number P30152
Isotype	IgG
Source/Host	Goat
Species Reactivity	Rat
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunoprecipitation, ELISA Capture (Matched Pair)
Format	Liquid

Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	Lcn2 lipocalin 2 [Rattus norvegicus (Norway rat)]
Official Symbol	LCN2
Synonyms	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;
Entrez Gene ID	170496
Protein Refseq	NP_570097
UniProt ID	P30152
Chromosome Location	3p11
Function	iron ion binding; protease binding; protein homodimerization activity; small molecule binding; transporter activity;