



Anti-LCN2 polyclonal antibody [Biotin] (DPABY-425)

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 human Lipocalin-2/NGAL in ELISAs and Western blots. In sandwich immunoassays, less than 0.5% cross-reactivity with recombinant human Lipocalin-1, recombinant mouse Lipocalin-2, and recombinant rat Lipocalin-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Lipocalin-2/NGAL . Gln21-Gly198 Accession Number Q6FGL5
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
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, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	LCN2 lipocalin 2 [Homo sapiens (human)]
Official Symbol	LCN2
Synonyms	LCN2; lipocalin 2; 24p3; MSFI; NGAL; neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; oncogene 24p3; siderocalin LCN2; migration-stimulating factor inhibitor; 25 kDa alpha-2-microglobulin-related subunit of MMP-9;
Entrez Gene ID	3934
Protein Refseq	NP_005555
UniProt ID	P80188
Chromosome Location	9q34
Function	iron ion binding; protease binding; protein homodimerization activity; small molecule binding; transporter activity;