Goat anti-Lipocalin 2 / NGAL Antibody

Item Number	dAP-0638

Target Molecule
Principle Name: Lipocalin 2 / NGAL; Official Symbol: LCN2; All Names and Symbols: LCN2; NGAL; lipocalin 2 (oncogene 24p3); HGNC:6526; uterocalin; oncogenic lipocalin 24p3; neutrophil gelatinase-associated lipocalin; lipocalin 2; MSFI; OTTHUMP00000022240; migration-stimulating factor inhibitor; neutrophil gelatinase-associated lipocalin; Accession Number (s): NP_005555.2; Human Gene ID(s): 3934; Non-Human GeneID(s):

Immunogen
AILREDKDPQKMY, is from internal region

Applications
Pep ELISA, WB, IHC

Species Tested: Human

Purification
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As
lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA
Peptide ELISA: antibody detection limit dilution 1 to 16000.

Western Blot
Western Blot: Approx 22kDa band observed in Human Kidney lysates (calculated MW of 22.6kDa according to NP_005555.2). Recommended concentration: 0.01-0.03µg/ml.

IHC
Immunohistochemistry: In paraffin embedded Human Spleen shows staining of cytoplasm in mostly binucleated cells, and of nucleoli in some of the non-dividing cells. Recommended concentration: 2-3µg/ml.

Reference
Reference(s): Mishra J, Dent C, Tarabishi R, Mitsnefes MM, Ma Q, Kelly C, Ruff SM, Zahedi K, Shao M, Bean J, Mori K, Barasch J, Devarajan P. Neutrophil gelatinase-associated lipocalin (NGAL) as a biomarker for acute renal injury after cardiac surgery. Lancet. 2005 Apr;365(9466):1231-8. .PMID: 15811456 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only