For Research Use Only

Lipocalin-2/NGAL Polyclonal antibody

Catalog Number:31721-1-AP



Basic Information	Catalog Number: 31721-1-AP Size: 150ul, Concentration: 450 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GenBank Accession Number: NM_005564.5 GeneID (NCBI): 3934 UNIPROT ID: P80188-1 Full Name: lipocalin 2 Calculated MW: 23kDa Observed MW:	Purification Method: Antigen affinity Purification Recommended Dilutions: WB 1:1000-1:4000
Applications	Tested Applications: WB, ELISA Species Specificity: human, mouse	Positive Co WB : HT-29	ntrols: cells, mouse bone marrow tissue
Background Information	Lipocalin-2 (LCN-2) is a adipocytokine also referred to as neutrophil gelatinase-associated lipocalin (NGAL). Lipocalin-2 is a circulatory protein responsible for the transportation of small and hydrophobic molecules to target organs. Lipocalin-2 is used as a biomarker for acute and chronic renal injury. It is present in a large variety of cells including neutrophil, hepatocytes, lung, bone marrow, adipose tissue, macrophages, thymus, non-neoplastic breast duct, prostate, and renal cells. Different functions have been associated with Lipocalin-2, including antibacterial, anti-inflammatory, and protection against cell and tissue stress (PMID:34463264).		
<pre>Storage *** 20ul sizes contain 0.1% BSA</pre>	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage		

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31721-1-AP (Lipocalin-2/NGAL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.