

For Research Use Only

BPIL1 Polyclonal antibody

Catalog Number: 13461-2-AP **3 Publications**



Basic Information

Catalog Number: 13461-2-AP	GenBank Accession Number: BC034415	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80341	Recommended Dilutions: WB 1:500-1:2000 IHC 1:800-1:3200 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8N4FO	
Isotype: IgG	Full Name: bactericidal/permeability-increasing protein-like 1	
Immunogen Catalog Number: AG4051	Calculated MW: 458 aa, 49 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A549 cells, HeLa cells, HepG2 cells, mouse testis tissue, rat testis tissue IHC : human tonsillitis tissue, IF/ICC : A549 cells,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Bactericidal/permeability-increasing protein-like 1 (BPIL1, also known as LPLUNC2 or BPIFB2) is a member of the lipid transfer (LT)/lipopolysaccharide binding protein (LBP) family. LT/LBP proteins are structurally related proteins capable of binding phospholipids and lipopolysaccharides (PMID: 12185532). The gene of BPIL1 maps to Chromosome 20q11, and encodes a 458-amino acid protein with a calculated molecular weight of 49 kDa. It is highly expressed in hypertrophic tonsils. BPIL1 has been identified as a nasal mucous protein that may be involved in immune response in the nose against microbial infections (PMID: 15996010). Reduced expression of antimicrobial PLUNC proteins (LPLUNC1 and LPLUNC2) has been reported in nasal polyp tissues of patients with chronic rhinosinusitis (PMID: 22676062).

Notable Publications

Author	Pubmed ID	Journal	Application
Yanran Huang	33506054	J Immunol Res	IHC
Foster Matthew W MW	23550723	J Proteome Res	WB
Seshadri S S	22676062	Allergy	WB,IHC

Storage

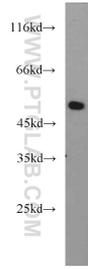
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

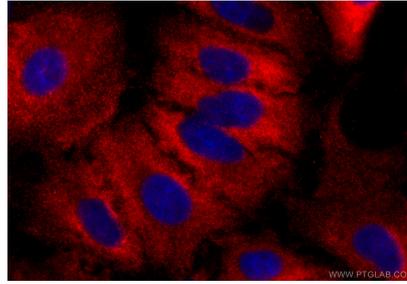
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

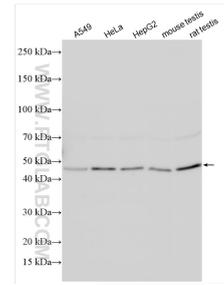
Selected Validation Data



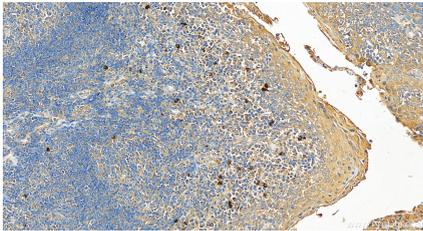
A549 cells were subjected to SDS PAGE followed by western blot with 13461-2-AP (BPIL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using BPIL1 antibody (13461-2-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Various lysates were subjected to SDS PAGE followed by western blot with 13461-2-AP (BPIL1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13461-2-AP (BPIL1 antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).