

BPIL1 Polyclonal Antibody

Catalog number: 13461-2-AP

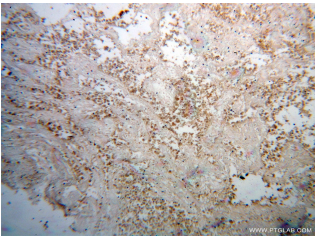
Size: 53 µg/150 µl

Source: Rabbit

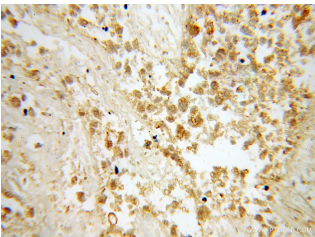
Isotype: IgG

Synonyms:

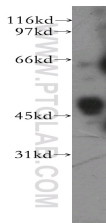
BPIL1; BPIL1, C20orf184,
dJ726C3.2, LPLUNC2, RYSR



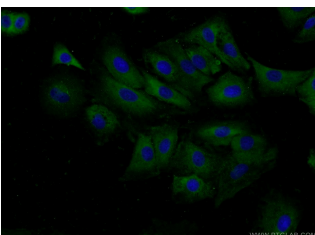
Immunohistochemical of paraffin-embedded human lung cancer using 13461-2-AP (BPIL1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human lung cancer using 13461-2-AP (BPIL1 antibody) at dilution of 1:100 (under 40x lens)



A549 cells were subjected to SDS PAGE followed by western blot with 13461-2-AP (BPIL1 antibody) at dilution of 1:400



Immunofluorescent analysis of A549 cells using 13461-2-

Background

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 which 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).

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated BPIL1 MW:	458aa, 49 kDa
Observed BPIL1 MW:	49kd
Positive WB detected in	A549 cells
Positive IHC detected in	Human lung cancer tissue, human tonsillitis tissue
Positive IF detected in	A549 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4051
GenBank accession number:	BC034415
Gene ID (NCBI):	80341
Full name:	Bactericidal/permeability-increasing protein-like 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**AP(BPIL1 Antibody) at
dilution of 1:50 and Alexa
Fluor 488-conjugated
AffiniPure Goat Anti-Rabbit
IgG(H+L)**