For Research Use Only

FPR2 Polyclonal antibody

Catalog Number:30989-1-AP

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Basic Information

Catalog Number:
30989-1-AP

Size:
450 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34304

GenBank Accession Number:
BC029125

GeneID (NCBI):
2358

UNIPROT ID:
P25090

Full Name:
formyl peptide receptor 2

Calculated MW:
351 aa, 39 kDa

Observed MW:
42 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells,

IHC : mouse brain tissue,

Background Information

The formyl peptide receptors (FPRs) are a group of G protein-coupled chemoattractant receptors that play important roles in host defense and inflammation (PMID: 28335409). In humans, three different isoforms are expressed (FPR1, FPR2, and FPR3). FPR2, also known as FPRL1 or ALX, is expressed by many cell types including monocytes, neutrophils, macrophages, astrocytoma cells, and epithelial cells. FPR2 conveys the biological functions of a variety of ligands, including N-formyl-methionyl peptides, the pro-resolution mediators annexin A1 (AnxA1) and lipoxin A4, as well as the activating and proinflammatory protein serum amyloid A (PMID: 22610094).

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

For technical support and original validation data for this product please contact:
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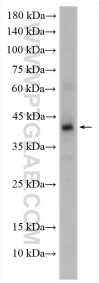
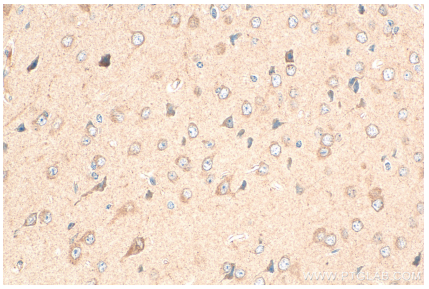
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 30989-1-AP (FPR2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30989-1-AP (FPR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).