APOD Polyclonal antibody

Catalog Number: 10520-1-AP

Basic Information

Catalog Number: 10520-1-AP
Size: 150μl, Concentration: 400μg/ml by Nanodrop and 200μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG0812
GenBank Accession Number: BC007402
GeneID (NCBI): 347
Full Name: apolipoprotein D
Calculated MW: 33 kDa
Observed MW: 21-33 kDa
Purification Method: Antigen affinity purification
Recommended Dilutions: WB 1:500-1:1000, IHC 1:50-1:500

Applications

Tested Applications: FC, IHC, WB, ELISA
Cited Applications: IHC, WB
Species Specificity: human
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

Positive Controls:
WB: human serum tissue, HepG2 cells, human plasma
IHC: human liver tissue,

Background Information

Apolipoprotein D (ApoD) is a member of the lipocalin superfamily of ligand transporters, and has been implicated in the transport of small hydrophobic molecules. ApoD is also a component of plasma high-density lipoproteins (HDL). Alteration of ApoD expression has been linked to multiple neurological disorders, including Alzheimer's disease.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muhammad Khan</td>
<td>36389725</td>
<td>Front Immunol</td>
<td>IHC</td>
</tr>
<tr>
<td>Na Li</td>
<td>34963445</td>
<td>Clin Proteomics</td>
<td>WB</td>
</tr>
<tr>
<td>H Bea Kuiperij</td>
<td>31872672</td>
<td>Neuropathol Appl Neurobiol</td>
<td>WB, IHC</td>
</tr>
</tbody>
</table>

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) | E: proteintechn@ptglab.com
in USA, or 1(312) 455-8498 (outside USA) | W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
human serum were subjected to SDS PAGE followed by western blot with 10520-1-AP (APOD antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

HepG2 cells were subjected to SDS PAGE followed by western blot with 10520-1-AP (APOD antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10520-1-AP (APOD antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10520-1-AP (APOD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human APOD (10520-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit (goat-IgG) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.