



# GPR120 rabbit pAb

Cat No.:ES2451

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | GPR120 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human GPR120. AA range:221-270  |
| <b>Specificity</b>              | GPR120 Polyclonal Antibody detects endogenous levels of GPR120 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Omega-3 fatty acid receptor 1   |
| <b>Gene Name</b>                | O3FAR1  |
| <b>Cellular localization</b>    | [Isoform 1]: Cell membrane ; Multi-pass membrane protein . Endosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Sorted to late endosome/lysosome compartments upon internalization. . ; [Isoform 2]: Cell membrane ; Multi-pass membrane protein . Endosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Cell projection, cilium membrane ; Multi-pass membrane protein . Sorted to late endosome/lysosome compartments upon internalization (PubMed:22282525). Specifically localizes to the primary cilium of undifferentiated adipocytes. Ciliary trafficking is TULP3-dependent. As the cilium is lost during adipogenesis, moves to |





**Purification**

the plasma membrane (Probable). .

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Clonality**

Polyclonal

**Concentration**

1 mg/ml

**Observed band**

38kD

**Human Gene ID**

338557

**Human Swiss-Prot Number**

Q5NUL3

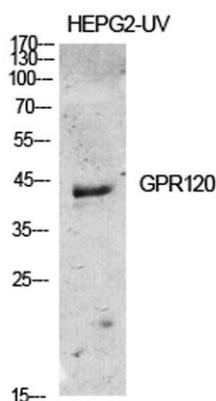
**Alternative Names**

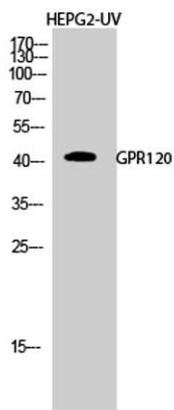
O3FAR1; GPR120; GPR129; PGR4; Omega-3 fatty acid receptor 1; G-protein coupled receptor 120; G-protein coupled receptor 129; G-protein coupled receptor GT01; G-protein coupled receptor PGR4

**Background**

This gene encodes a G protein-coupled receptor (GPR) which belongs to the rhodopsin family of GPRs. The encoded protein functions as a receptor for free fatty acids, including omega-3, and participates in suppressing anti-inflammatory responses and insulin sensitizing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012],

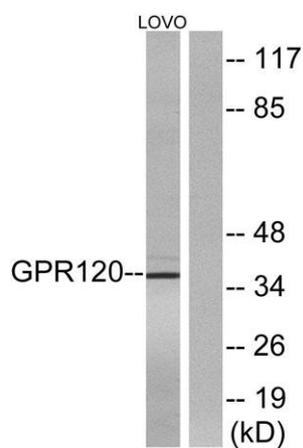
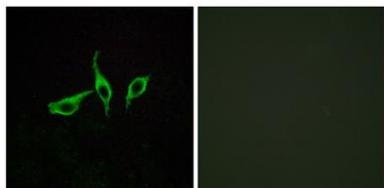
Western Blot analysis of various cells using GPR120 Polyclonal Antibody diluted at 1:500





Western Blot analysis of HEPG2-UV cells using GPR120  
Polyclonal Antibody diluted at 1:500

Immunofluorescence analysis of LOVO cells, using GPR120  
Antibody. The picture on the right is blocked with the  
synthesized peptide.



Western blot analysis of lysates from LOVO cells, using  
GPR120 Antibody. The lane on the right is blocked with  
the synthesized peptide.

