GPR120 rabbit pAb

Cat#: orb765326 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	GPR120 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR120. AA range:221-270
Specificity	GPR120 Polyclonal Antibody detects endogenous levels of GPR120 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Omega-3 fatty acid receptor 1
Gene Name	O3FAR1
Cellular localization	[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 the plasma membrane

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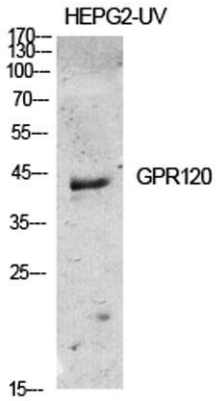
(Probable). .

Purification	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

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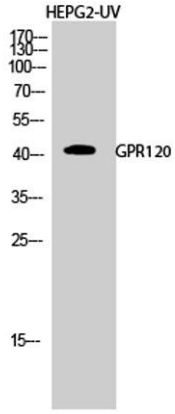
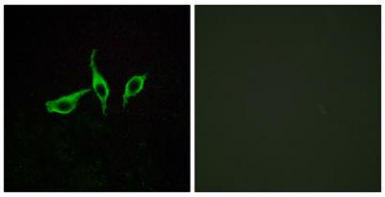
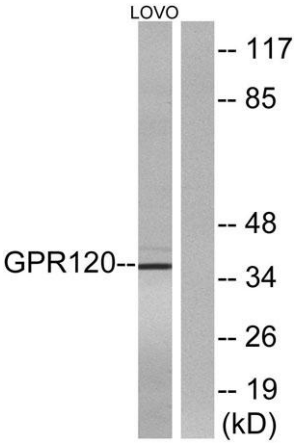


Western Blot analysis of HEPG2-UV cells using GPR120 Polyclonal Antibody diluted at 1:500



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.

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