



# GPR120 Monoclonal Antibody

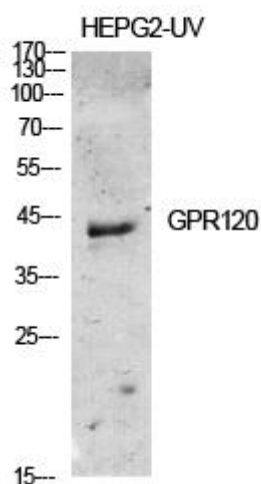
Catalog No	BYmab-13292
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	O3FAR1
Protein Name	Omega-3 fatty acid receptor 1
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR120. AA range:221-270
Specificity	GPR120 Monoclonal Antibody detects endogenous levels of GPR120 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	38kD
Cell Pathway	[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 (Probable). .
Tissue Specificity	[Isoform 2]: The predominant isoform in human tissues. Expressed in adipose tissue, pancreatic islets, lung and brain. Expressed in alpha cells of pancreatic islets (PubMed:24742677). Expressed in primary cilia of perivascular

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	preadipocytes of white adipose tissue (at protein level) (PubMed:31761534). ; Abundant expression in the intestinal tract. Expressed in colonic intraepithelial neuroendocrine cells.
<b>Function</b>	function:Receptor for unsaturated long-chain free fatty acid (FAA). Binding of the ligand promotes the secretion of glucagon-like peptide-1 from the gastro-intestinal tract.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Abundant expression in the intestinal tract.,
<b>Background</b>	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],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using GPR120 Monoclonal Antibody