

GPR120 antibody

Cat. No. GTX100364

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat, Pig

References (2)

Package

100 µl, 25 µl

PRODUCT

Summary

GPR120 antibody detects G-protein-coupled receptor 120 (GPR120/FFAR4) (predicted molecular weight of 40 kDa), a GPCR activated by long-chain fatty acids such as omega-3 fatty acid. Stimulation of GPR120 with omega-3 elicits anti-inflammatory effects and enhances insulin sensitivity in a mouse model. In addition to its anti-inflammatory and metabolic functions, GPR120 may also impact immune function.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
IHC-P	1:100-1:1000

Not tested in other applications.

Calculated MW 42 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1.46 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide encompassing a sequence within the Extracellular domain of human GPR120. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



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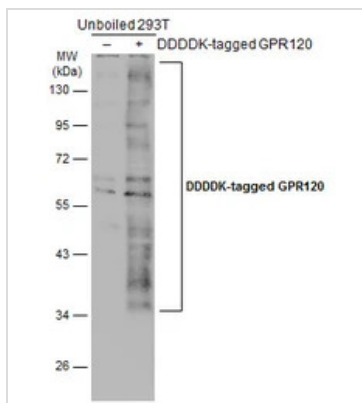
Date 2025 / 07 / 12 Page 1 of 2

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Note

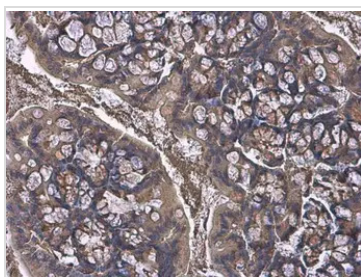
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DATA IMAGES



GTX100364 WB Image

Non-transfected (-) and transfected (+) unboiled 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GPR120 antibody [N1N2], N-term (GTX100364) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

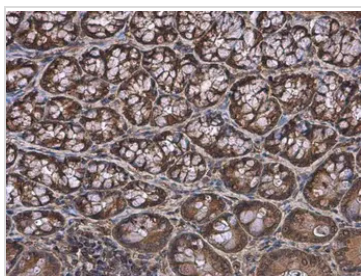


GTX100364 IHC-P Image

GPR120 antibody [N1N2], N-term detects GPR120 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse testis.

GPR120 stained by GPR120 antibody [N1N2], N-term (GTX100364) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

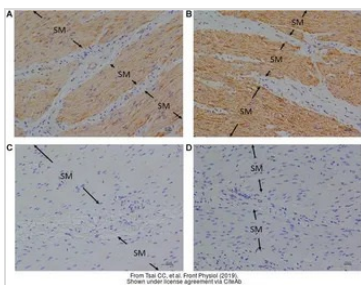


GTX100364 IHC-P Image

GPR120 antibody [N1N2], N-term detects GPR120 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat testis.

GPR120 stained by GPR120 antibody [N1N2], N-term (GTX100364) diluted at 1:500.

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GTX100364 IHC-P Image

The data was published in the journal Front Physiol in 2019. [PMID: 31214048](https://pubmed.ncbi.nlm.nih.gov/31214048/)



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