

Product Datasheet

GPR81 Antibody NBP1-51956

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 3

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NBP1-51956

GPR81 Antibody

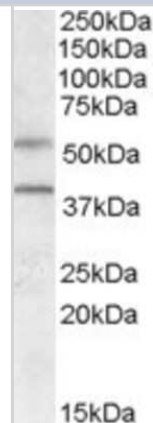
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat GPR81 Antibody (NBP1-51956) is a polyclonal antibody validated for use in WB and ELISA. Anti-GPR81 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	27198
Gene Symbol	HCAR1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID:30926749).
Immunogen	Peptide with sequence C-QQLARQARMKKATR corresponding to internal region according to NP_115943.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Peptide ELISA Detection limit 1:8000
Application Notes	WB: Approx. 40 kDa band observed in human liver lysates (calculated MW of 39.3 kDa band according to NP_115943.1). An additional band of unknown identity was also consistently observed at 55 kDa. This band was successfully blocked by incubation with the immunizing peptide.

Images

Western Blot: GPR81 Antibody [NBP1-51956] - Analysis of GPR81 in Human Liver lysate (35ug protein in RIPA buffer) using NBP1-51956 at 0.5g/ml. Primary incubation was 1 hour. Detected by chemiluminescence.



Publications

Liu X, Li S, Cui Q et Al. Activation of GPR81 by lactate drives tumour-induced cachexia Nat Metab 2024-03-18 [PMID: 38499763]

de Castro Abrantes H, Briquet M, Schmuziger C, et al. The Lactate Receptor HCAR1 Modulates Neuronal Network Activity through the Activation of G alpha and G beta gamma Subunits J. Neurosci. 2019-06-05 [PMID: 30926749] (WB, Mouse)

Cai TQ, Ren N, Jin L et al. Role of GPR81 in lactate-mediated reduction of adipose lipolysis. Biochem Biophys Res Commun 2008-12-19 [PMID: 18952058]





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Products Related to NBP1-51956

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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