

GPR83 Polyclonal Antibody

Catalog NumberPA1-41307

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Bovine, Dog, Chicken, Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide corresponding to residues 200-250 of human GPR83.		
Conjugate	Unconjugated	Immunohistochemistry (Frozen) (IHC (F))	20 µg/mL
Form	Liquid	Immunohistochemistry (Paraffin) (IHC (P))	20 µg/mL
Concentration	1.0 mg/mL	Western Blot (WB)	0.1-1 µg/mL
Purification	Antigen affinity chromatography	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	PBS		
Contains	0.05% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with xenopus based on sequence homology.

Background/Target Information

GPR83, a 423 A.A protein, is an orphan member of GPCR protein family and is closely related to tachykinin and NPY receptors. It is a human homolog of mouse GIR protein and is exclusively expressed and selectively up-regulated in brain. It is a cell surface receptor protein consisting of a putative seven-transmembrane-domain. Reports suggest GPR83 might be involved in the regulation of immune tolerance mechanism by inducing peripheral generation of Foxp3+ Treg cells.

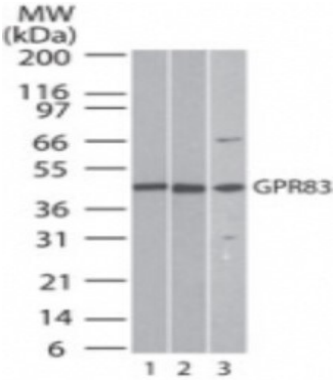
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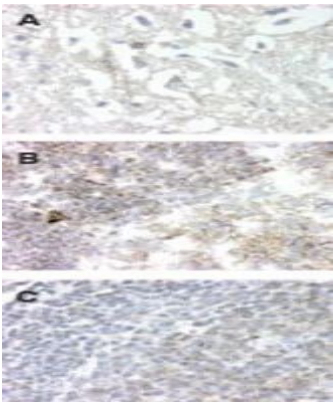
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Product Images For GPR83 Polyclonal Antibody



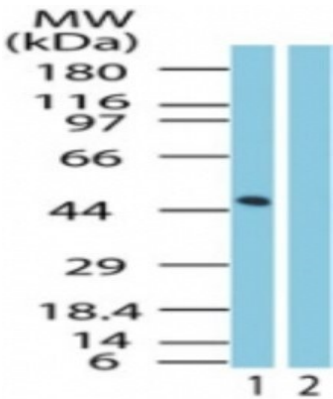
GPR83 Antibody (PA1-41307) in WB

Western blot analysis of GPR83 in lysate from 1) human brain, 2) mouse brain, and 3) rat brain. Samples were incubated in GPR83 polyclonal antibody (Product # PA1-41307) using a dilution of 0.5 µg/mL.



GPR83 Antibody (PA1-41307) in IHC (P)

Immunohistochemical analysis of GPR83 in frozen brain (neurons & glia, image A), frozen tonsil tissue (lymphocytes, image B), and formalin-fixed paraffin embedded tonsil tissue. Samples were incubated in GPR83 polyclonal antibody (Product # PA1-41307 using a dilution of 20 µg/mL.



GPR83 Antibody (PA1-41307) in WB

Western blot analysis of GPR83 in mouse brain lysate in the 1) absence and 2) presence of immunizing peptide. Samples were incubated in GPR83 polyclonal antibody (Product # PA1-41307) using a dilution of 0.25 µg/mL.

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