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# Datasheet for ABIN7043560 anti-Prokineticin Receptor 1 antibody (Extracellular, N-Term)

5 Images



#### Overview

Quantity:	50 μL
Target:	Prokineticin Receptor 1 (PROKR1)
Binding Specificity:	AA 10-24, Extracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prokineticin Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ENTTNTFTDFFSARD, corresponding to amino acid residues 10-24 of rat PROKR1
Isotype:	lgG
Cross-Reactivity (Details):	Unlikely to recognize human samples.
Characteristics:	Anti-Prokineticin Receptor 1 (extracellular) Antibody is directed against an epitope located at the extracellular N-terminal domain of the rat Prokineticin receptor 1. The epitope is specific for PROKR1 and will not cross-react with the closely related PROKR2. Anti-Prokineticin Receptor 1 (extracellular) Antibody (ABIN7043560 and ABIN7045110)) can be used in western blot, immunohistochemistry and flow cytometry applications, and recognizes PROKR1 from rat and

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#### Product Details

	mouse samples.
Purification:	Affinity purified on immobilized antigen.
Target Details	
Target:	Prokineticin Receptor 1 (PROKR1)
Alternative Name:	Prokineticin Receptor 1 (PROKR1 Products)
Background:	Alternative names: Prokineticin Receptor 1, PROKR1, PKR1, G-protein coupled receptor 73,
	Gpr73, Gpr73a, G-protein coupled receptor ZAQ
Gene ID:	192648
NCBI Accession:	NM_138964
UniProt:	Q8R416
Pathways:	Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Myometrial
	Relaxation and Contraction, G-protein mediated Events, Interaction of EGFR with phospholipase
	C-gamma

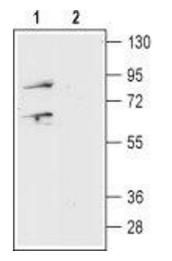
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	50 $\mu L$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C

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Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

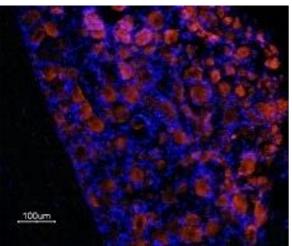
#### Images



#### Western Blotting

thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

**Image 1.** Western blot analysis of mouse brain lysate: -1. Anti-Prokineticin Receptor 1 (extracellular) Antibody (ABIN7043560 and ABIN7045110), (1:200).2. Anti-Prokineticin Receptor 1 (extracellular) Antibody, preincubated with Prokineticin Receptor 1 (extracellular) Blocking Peptide (#BLP-PR041).



#### Immunohistochemistry

**Image 2.** Expression of Prokineticin receptor 1 in rat DRG -Immunohistochemical staining of frozen rat dorsal root ganglion (DRG) sections using Anti-Prokineticin Receptor 1 (extracellular) Antibody (ABIN7043560 and ABIN7045110), (1:100), followed by Alexa-555-conjugated goat anti-rabbit secondary antibody. PK-R1 (red) is expressed in DRG neurons. Cell nuclei are visualized with Hoechst 33342 (blue).

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#### Immunohistochemistry

**Image 3.** Expression of Prokineticin receptor 1 in mouse brain - Immunohistochemical staining of mouse olfactory bulb brain sections using Anti-Prokineticin Receptor 1 (extracellular) Antibody (ABIN7043560 and ABIN7045110), (1:100). A. Green fluorescence reveals intensely stained astrocyte-like cells in the glomeruli (G) and lightly stained astrocyte-like cells in the adjacent layer (arrows). B. Merge of images of PK-R1 (green), parvalbumin (red, a neuronal marker) and DAPI (blue) nuclear counterstain.

Please check the product details page for more images. Overall 5 images are available for ABIN7043560.