

Datasheet for ABIN7043803

anti-TACR1 antibody (2nd Extracellular Loop)

4 Images

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Overview

Quantity:	50 µL
Target:	TACR1
Binding Specificity:	2nd Extracellular Loop, AA 180-194
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TACR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CMIEWPEHPNRTYEK, corresponding to amino acid residues 180-194 of rat NK1 receptor
Isotype:	IgG
Characteristics:	Anti-Neurokinin 1 Receptor (NK1R) (extracellular) Antibody (ABIN7043803, ABIN7045318 and ABIN7045319)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, indirect live cell flow cytometry, and live cell imaging applications. It has been designed to recognize NK1 receptor from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

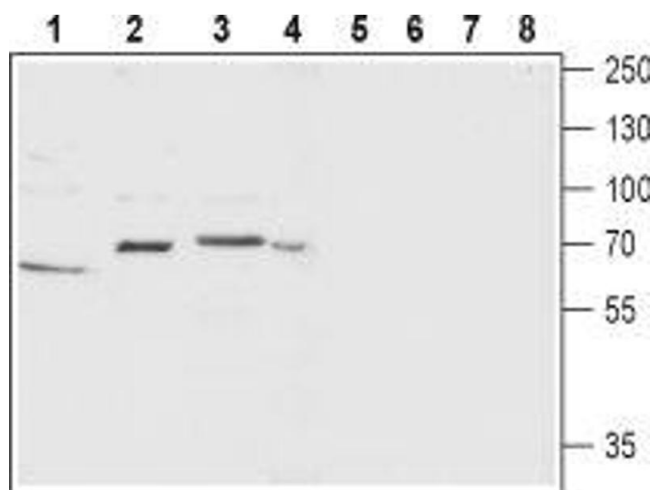
Target:	TACR1
Alternative Name:	Neurokinin 1 Receptor (NK1R) (TACR1 Products)
Background:	Alternative names: Neurokinin 1 Receptor (NK1R), NK1 receptor, Tachykinin receptor 1, TACR1, Substance-P receptor, SPR
Gene ID:	24807
NCBI Accession:	NM_001058
UniProt:	P14600
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour , Smooth Muscle Cell Migration

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

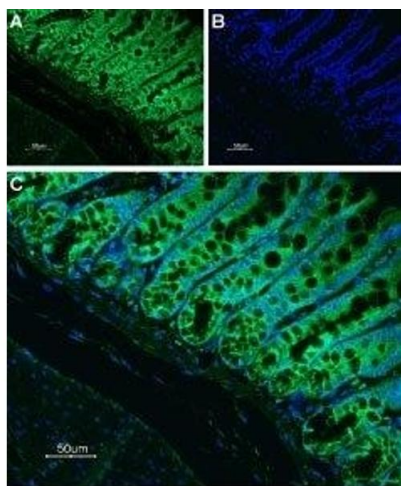
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL 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
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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 thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



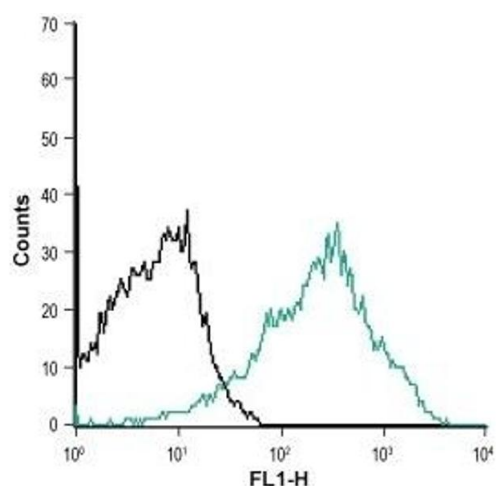
Western Blotting

Image 1. Western blot analysis of rat ovary (lanes 1 and 5), rat brain (lanes 2 and 6), mouse brain membrane (lanes 3 and 7) and SH-SY5Y (lanes 4 and 8) lysate: - 1-4. Anti-Neurokinin 1 Receptor (NK1R) (extracellular) Antibody (ABIN7043803, ABIN7045318 and ABIN7045319), (1:200). 5-8. Anti-Neurokinin 1 Receptor (NK1R) (extracellular) Antibody, preincubated with Neurokinin 1 Receptor/NK1R (extracellular) Blocking Peptide (#BLP-TR001).



Immunohistochemistry

Image 2. Expression of Neurokinin 1 receptor in rat colon - Immunohistochemical staining of rat colon paraffin-embedded section using Anti-Neurokinin 1 Receptor (NK1R) (extracellular) Antibody (ABIN7043803, ABIN7045318 and ABIN7045319), (1:100) followed by goat anti-rabbit-AlexaFluor-488 secondary antibody. A. NK1 receptor labeling appears in the tubular glands of the mucosa layer. Note that the smooth muscle and lamina propria do not stain. B. Nuclear staining using DAPI as the counterstain. C. Merged images of A and B.



Flow Cytometry

Image 3. Cell surface detection of NK1 receptor in MEG-O1 living cells: (black line) Unstained cells. (green line) Cells + Anti-Neurokinin 1 Receptor (NK1R) (extracellular) Antibody (ABIN7043803, ABIN7045318 and ABIN7045319), (5-10 μg/1x 10⁶ cells).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043803.