

Orexin Receptor 1 antibody

Cat. No. GTX54847

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

References (1)

Package

50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent

Not tested in other applications.

Calculated MW 47 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.05% Sodium azide
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	0.8 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide (C)RNWKRPSEQLEAQH, corresponding to amino acid residues 256-269 (3rd intracellular loop) of rat OX1R (Accession : P56718).
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated



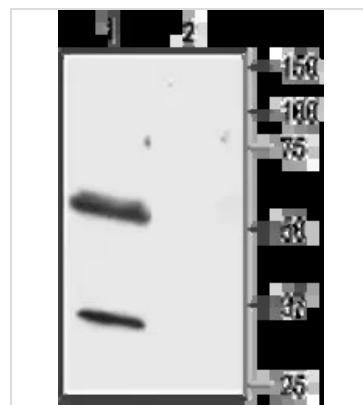
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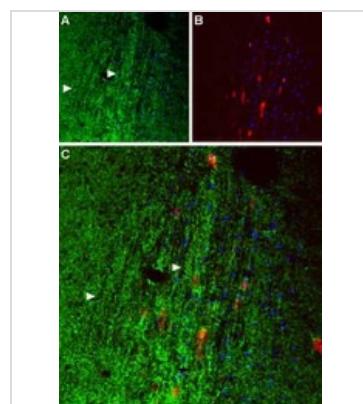
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DATA IMAGES**GTx54847 WB Image**

WB analysis of rat brain lysate using GTx54847 Orexin Receptor 1 antibody preincubated with or without immunogen peptide.

Dilution : 1:500

**GTx54847 IHC-Fr Image**

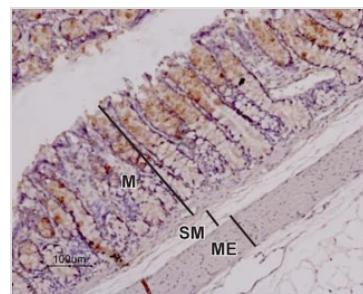
IHC-Fr analysis of mouse septum tissue using GTx54847 Orexin Receptor 1 antibody. Cell nuclei (blue) are visualized with Hoechst 33342.

Panel A : OX1R (green) appears in axonal processes (right-pointing triangles).

Panel B : Parvalbumin (red) appears in septal neurons.

Panel C : Merge of OX1R and parvalbumin suggests that orexinergic innervation covers the entire septal nucleus rather than restricted to individual neurons.

Dilution : 1:50

**GTx54847 IHC-P Image**

IHC-P analysis of rat colon tissue using GTx54847 Orexin Receptor 1 antibody. Note that the stain (red-brown color) is highly specific for absorptive cells in the superior third of the intestinal glands.

Immunolabeling was detected using DAB as the chromogen and hematoxylin as the counterstain.

Dilution : 1:100



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