

HTR7 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse, Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues 13-28 of rat 5-HT7R.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2122687

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	1:10-1:2,000	-
Flow Cytometry (Flow)	Assay-Dependent	-

Product Specific Information

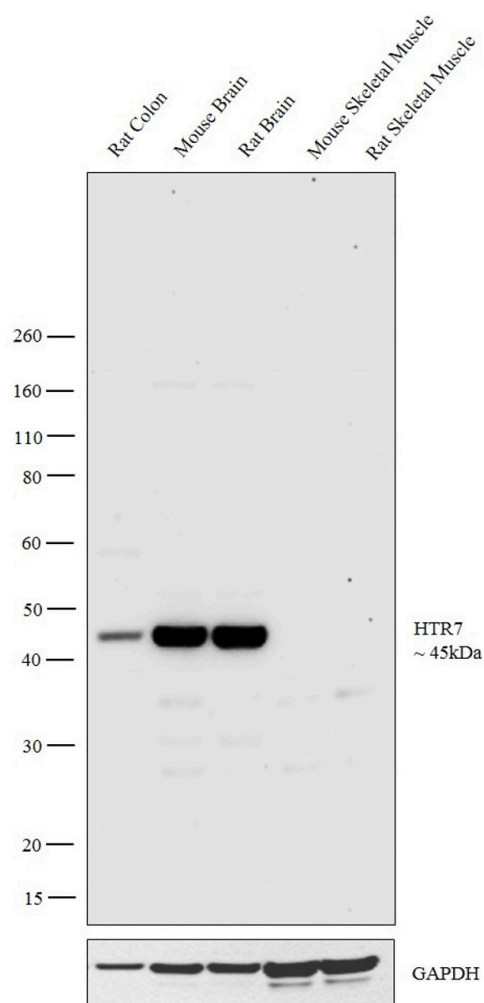
This antibody is predicted to react with porcine samples based on sequence homology.

The immunogen sequence is 93% conserved with canine 5-HT7Ra/b, and 81% conserved with porcine 5-HT7R.

Product Images For HTR7 Polyclonal Antibody

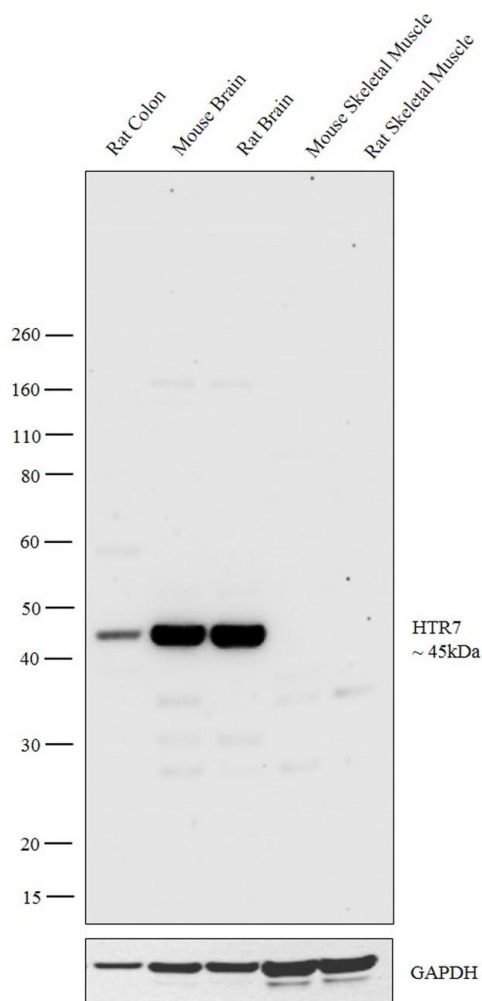
HTR7 Antibody (PA1-41122)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue lysates owing to their inherent genetic constitution. Relative expression of HTR7 was observed in all tissue lysates tested in comparison to Mouse Skeletal Muscle and Rat Skeletal Muscle using product (Product # PA1-41122) in western blot. {RE}



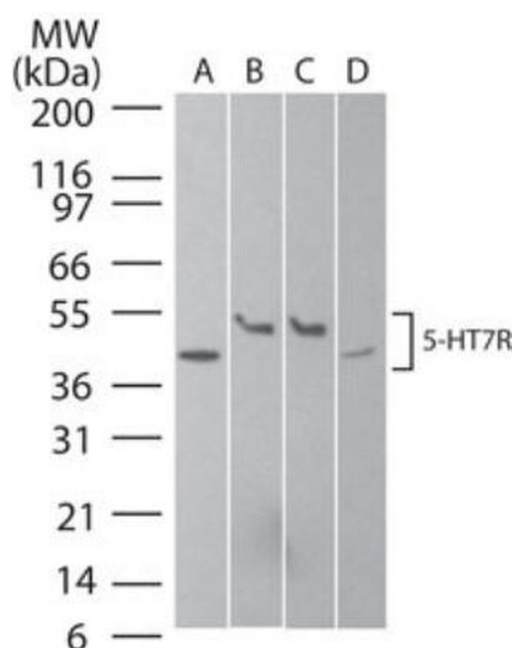
HTR7 Antibody (PA1-41122) in WB

Western blot analysis was performed on tissue extracts (30 µg lysate) of Rat Colon (Lane 1), Mouse Brain (Lane 2), Rat Brain (Lane 3), Mouse Skeletal Muscle (Lane 4) and Rat Skeletal Muscle Raji (Lane 5). The blot was probed with Anti-HTR7 Polyclonal Antibody (Product # PA1-41122, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 45 kDa band corresponding to HTR7 was observed across all tissue extracts tested except for Mouse Skeletal Muscle and Rat Skeletal Muscle.



HTR7 Antibody (PA1-41122) in WB

Western blot analysis of HTR7 in A) human brain, B) mouse brain, C) rat brain, and D) human SK-N-SH neuroblastoma cell lysate. Samples were incubated in HTR7 polyclonal antibody (Product # PA1-41122).



1 Reference

Western Blot (1)

Physiological genomics	Year 2019
Creation of the 5-hydroxytryptamine receptor 7 knockout rat as a tool for cardiovascular research.	Species Rat
"PA1-41122 was used in Western Blotting to create and validate a 5-HT7 receptor global knockout (KO) rat, on a Sprague-Dawley background, for use in cardiovascular physiology studies focused on blood pressure regulation."	
Authors: Demireva EY,Xie H,Flood ED,Thompson JM,Seitz BM,Watts SW	

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