

# HTR3A Polyclonal antibody

Catalog Number: 10443-1-AP

Featured Product

6 Publications

## Basic Information

<b>Catalog Number:</b> 10443-1-AP	<b>GenBank Accession Number:</b> BC002354	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3359	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> 5-hydroxytryptamine (serotonin) receptor 3A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 55 kDa	
<b>Immunogen Catalog Number:</b> AG0289	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> FC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> mouse lung tissue, human brain tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human small intestine tissue, human prostate cancer tissue
<b>Cited Species:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

HTR3A (5-hydroxytryptamine receptor 3A, 5-HT3A) belongs to the ligand-gated ion channel receptor superfamily. It is the subunit A of the type 3 receptor for 5-hydroxytryptamine (5-HT, serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. So far, five distinct 5-HT3 receptor subunits (A-E) have been identified. HTR3A can form functional homomers or heteromers with HTR3B or HTR3C or HTR3D or HTR3E. 5-HT3 receptors are capable of mediating fast excitatory neurotransmission in the CNS and peripheral nervous system (PNS). (PMID: 23038271; 17073663)

## Notable Publications

Author	Pubmed ID	Journal	Application
Wen-Kai Bi	32171529	Biochem Biophys Res Commun	WB
Jing Guo	35865309	Front Endocrinol (Lausanne)	WB
Jian Tang	30405756	Oncol Lett	WB

## Storage

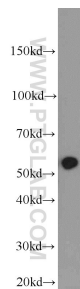
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

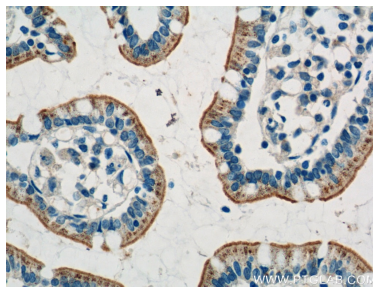
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

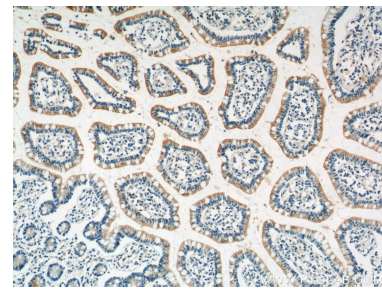
## Selected Validation Data



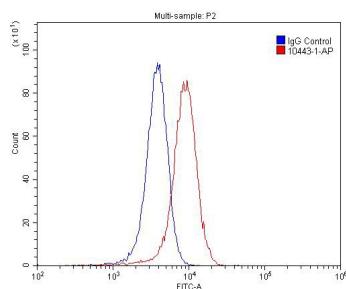
mouse lung tissue were subjected to SDS PAGE followed by western blot with 10443-1-AP (HTR3A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10443-1-AP (HTR3A Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10443-1-AP (HTR3A Antibody) at dilution of 1:50 (under 10x lens).



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2ug HTR3A antibody (10443-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.