

# HTR3A Polyclonal antibody

Catalog Number: 10443-1-AP

Featured Product

6 Publications

## Basic Information

## Catalog Number:

10443-1-AP

## Size:

260 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0289

## GenBank Accession Number:

BC002354

## GeneID (NCBI):

3359

## UNIPROT ID:

P46098

## Full Name:

5-hydroxytryptamine (serotonin) receptor 3A

## Calculated MW:

55 kDa

## Observed MW:

55 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human, mouse

## Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : mouse lung tissue, human brain tissue

IHC : human small intestine tissue, human prostate cancer tissue

## 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

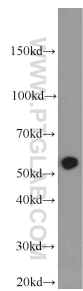
For technical support and original validation data for this product please contact:

T: 4006900926

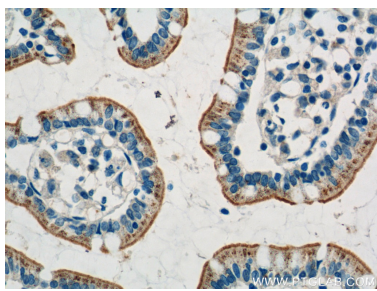
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

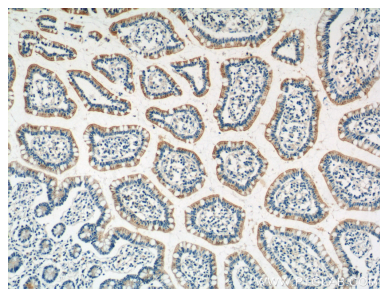
Selected Validation Data



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).