

SR-3A Rabbit pAb

CatalogNo: YT4401

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 55kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human 5-HT-3A. AA range:161-210

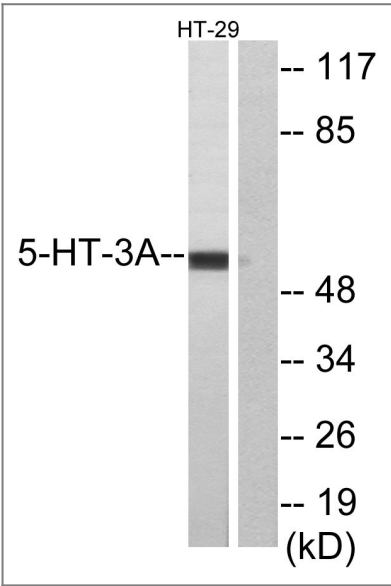
Specificity

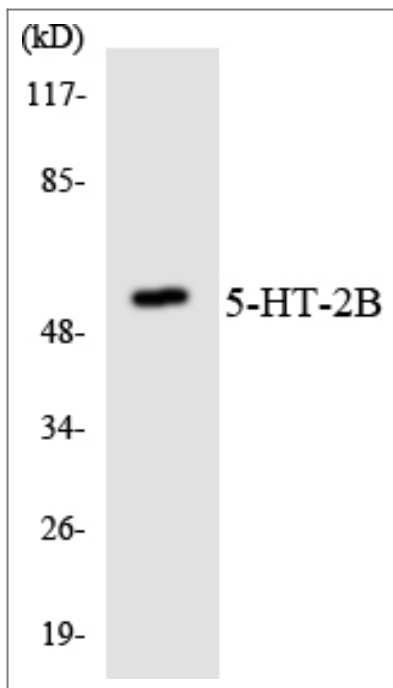
SR-3A Polyclonal Antibody detects endogenous levels of SR-3A protein.

| Target Information

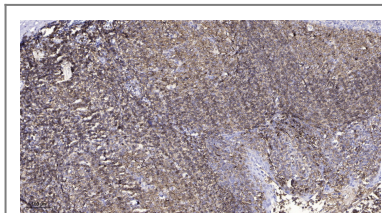
Gene name	HTR3A		
Protein Name	5-hydroxytryptamine receptor 3A		
	Organism	Gene ID	UniProt ID
	Human	3359 ;	P46098 ;
	Mouse		P23979 ;
Cellular Localization	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.		
Tissue specificity	Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.		
Function	Function:This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses in neurons. It is a cation-specific, but otherwise relatively nonselective, ion channel.,miscellaneous:The HA-stretch region of HTR3A seems to be responsible for the low conductance of HTR3A homomers compared to that of HTR3A/HTR3B heteromers.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Forms pentahomomeric complex as well as pentaheteromeric complex with HTR3B or HTR3C or HTR3D or HTR3E; homomeric complex are functional but exhibit low conductance, decreased agonist and antagonist affinity with modified voltage dependence. Interacts with RIC3.,tissue specificity:Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.,		

| Validation Data





Western blot analysis of the lysates from HepG2 cells using 5-HT-2B antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
SR-3A Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)