

## Rabbit anti-Serotonin Polyclonal Antibody

Storage: 2-8°C

Catalog No: P18-007	1ml	<input type="checkbox"/>
P18-007S	0.2ml	<input type="checkbox"/>
P18-007U	6ml	<input type="checkbox"/>

### Intended Use and Background:

The rabbit anti-serotonin antibody stains enterochromaffin cells in formalin-fixed, paraffin embedded sections of normal human appendix and serotonin-containing carcinoid tumors. Serotonin (5-hydroxytryptamine, 5-HT) is a widely distributed neurotransmitter and hormone in the mammalian central nervous system and periphery. It is involved in the regulation of diverse functions including blood pressure, gastrointestinal motility, pain perception, platelet aggregation, lymphocyte cytotoxicity and phagocytosis, appetite and sleep and is implicated in several pathological states including carcinoid tumors, migraine, and hypertension.

### Kit Components:

Rabbit anti-Serotonin antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit  
Isotype: Whole immunoglobulin IgG  
Immunogen: serotonin creatinine sulfate complex conjugated with formaldehyde to BSA.  
Reacts with: Human, rat, others not tested

Catalog No.	Format	Size
P18-007	Concentrate	1 ml
P18-007s	Concentrate	0.2ml
P18-007U	Ready-to-use	6ml

**Positive Control Tissue:** Human appendix

**Staining pattern:** Cytoplasmic

**Pretreatment required:** Not required

### Recommended Protocol:

Application tested: IHC (FFPE or Frozen). Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:100-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

### Precaution:

Wear gloves and take other necessary laboratory safety procedure.

**Storage:** Store at 2-8°C.

**Remarks:** For research use only. Not for diagnostic or therapeutic use.