

Product datasheet for AP09557SU-N

Serotonin Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunofluorescence: 1/200-1/400. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: No proteolytic treatment required. Incubation Time: Over night at 2-8°C for immunohistochemical application. Recommended Positive Control: Duodenum
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Serotonin conjugated to BSA
Specificity:	Serotonin is produced by endocrine cells of the stomach, duodenum and ileum. The polyclonal antibody to serotonin can be used to differentiate tumors of serotoninergic origin. The antigen localization is cytoplasmic. Absorption with 10-100 µg serotonin per ml diluted antiserum abolishes the staining.
Formulation:	0.1M PBS State: Serum State: Lyophilized Serum Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in 50-100 µl distilled water
Conjugation:	Unconjugated



Storage:	Prior to reconstitution store at 2–8°C. Following reconstitution store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Serotonin (5-hydroxytryptamine, or 5-HT) is a monoamine neurotransmitter synthesised in serotonergic neurons in the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin plays an important part in the biochemistry of depression, migraine, bipolar disorder and anxiety. It is also believed to be influential on sexuality and appetite. 5-HT is generally thought not to be released from synaptic terminal buttons in the manner of classical neurotransmission but from serotonergic varicosities into the extra neuronal space. From here it is free to diffuse over a relatively large region of space (>20µm) and activate 5-HT receptors located on the dendrites, cell bodies and presynaptic terminals of adjacent neurons. Serotonergic action is terminated primarily via uptake of 5-HT from the synapse. This is through the specific monoamine transporter for 5-HT, 5-HT reuptake transporter, on the presynaptic neuron. The pharmacology of 5-HT is extremely complex, with its actions being mediated by a large and diverse range of 5-HT receptors.
Synonyms:	5-HT, 5HT, 5 hydroxytryptamine