

Anti-Human/Rat PDE10A Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA05533

3th Edition

Description:The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate. Alternatively spliced transcript variants have been described for this gene. PDE10A (Phosphodiesterase 10A) is a Protein Coding gene. Diseases associated with PDE10A include Dyskinesia, Limb And Orofacial, Infantile-Onset and Striatal Degeneration, Autosomal Dominant 2. Among its related pathways are GABAergic synapse and Signaling by GPCR. GO annotations related to this gene include 3,5-cyclic-nucleotide phosphodiesterase activity and cGMP binding. An important paralog of this gene is PDE11A.

Antigen:Synthesized peptide derived from the N-terminal region of human PDE10A

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.