TPH2 (Human) Cell-Based ELISA Kit

Catalog # KA5672 Size 1 Kit

Specification

Product Description	TPH2 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of TPH2 expression in cultured cells.
Suitable Sample	Attached cell, loosely attached cell and suspension cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 4°C for six months.

Applications

- Qualitative

Gene Info — TPH2

Entrez GeneID	121278
Protein Accession#	Q8IWU9
Gene Name	TPH2
Gene Alias	FLJ37295, MGC138871, MGC138872, NTPH
Gene Description	tryptophan hydroxylase 2

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Omim ID	607478 608516
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The enc oded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21. This gene is expressed predo minantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases su ch as bipolar affective disorder and major depression. [provided by RefSeq
Other Designations	neuronal tryptophan hydroxylase|tryptophan 5-monooxygenase 2

Pathway

- Biosynthesis of alkaloids derived from shikimate pathway
- Metabolic pathways
- Tryptophan metabolism

Disease

- Alcoholism
- Alcohol-Related Disorders
- Anorexia Nervosa
- Anxiety Disorders
- Arousal
- Attention
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bipolar Disorder
- Borderline Personality Disorder
- Brain Injuries
- Bulimia

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- Cardiovascular Diseases
- Child Development Disorders
- Cocaine-Related Disorders
- Cognition
- Cues
- Decision Making
- Depression
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Discrimination (Psychology)
- Disease Models
- Edema
- Electroconvulsive Therapy
- Fatigue Syndrome
- Gambling
- Genetic Predisposition to Disease
- Hepatitis C
- Heroin Dependence
- Learning Disorders
- Liver Cirrhosis
- Memory
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Mood Disorders

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- Mucocutaneous Lymph Node Syndrome
- NARP
- Neuropsychological Tests
- Obsessive-Compulsive Disorder
- Panic Disorder
- Personality Assessment
- Personality Disorders
- Personality Inventory
- Personality Tests
- Postmortem Changes
- Prenatal Exposure Delayed Effects
- Psychiatric Status Rating Scales
- Psychology
- Psychometrics
- Psychomotor Performance
- Psychophysiologic Disorders
- Reaction Time
- Recurrence
- Reward
- Schizophrenia
- Schizophrenic Psychology
- Sleep Disorders
- Somatoform Disorders
- Startle Reaction
- Stress
- Substance-Related Disorders

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- Sudden Infant Death
- Task Performance and Analysis
- Tobacco Use Disorder
- Uncertainty
- Visual Perception
- Weight Gain

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