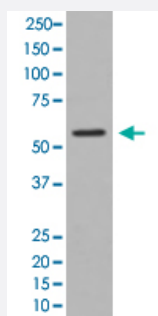


TH monoclonal antibody, clone ECA-20

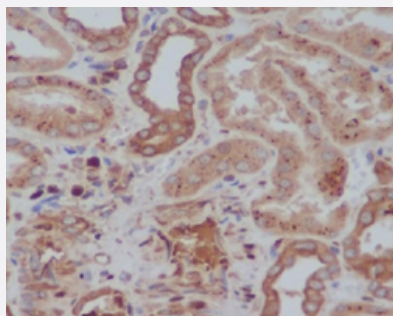
Catalog # MAB20824 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of PC-3 cell lysate with TH monoclonal antibody, clone ECA-20 (Cat # MAB20824).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with TH monoclonal antibody, clone ECA-20 (Cat # MAB20824).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human TH.
Immunogen	A synthetic peptide corresponding to human TH.
Host	Rabbit
Theoretical MW (kDa)	58.6
Reactivity	Human
Form	Liquid
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of PC-3 cell lysate with TH monoclonal antibody, clone ECA-20 (Cat # MAB20824).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with TH monoclonal antibody, clone ECA-20 (Cat # MAB20824).

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

Gene Info — TH

Entrez GeneID	7054
Protein Accession#	P07101
Gene Name	TH
Gene Alias	TYH
Gene Description	tyrosine hydroxylase

Omim ID	191290
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000011225 OTTHUMP00000011226 tyrosine 3-monooxygenase

Pathway

- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Tyrosine metabolism](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Borderline Personality Disorder](#)
- [Bulimia](#)
- [Cardiomegaly](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Death](#)
- [Depressive Disorder](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Susceptibility](#)
- [Dystonic Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Parkinson disease](#)
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- [Personality Inventory](#)
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- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)

- [Puberty](#)
- [Pulmonary Edema](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Sudden Infant Death](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)