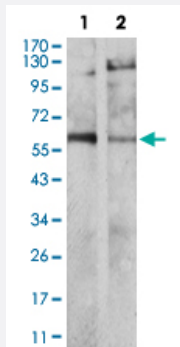


TH monoclonal antibody, clone 1B8D2

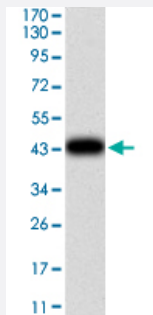
Catalog # MAB17300 Size 100 ug

Applications



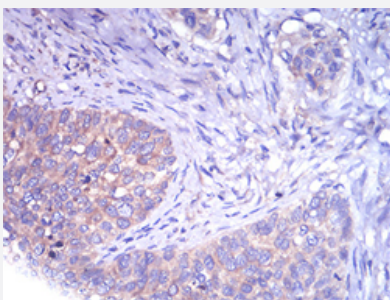
Western Blot

Western Blot analysis of (1) SH-SY5Y, and (2) PC-12 cell lysate.



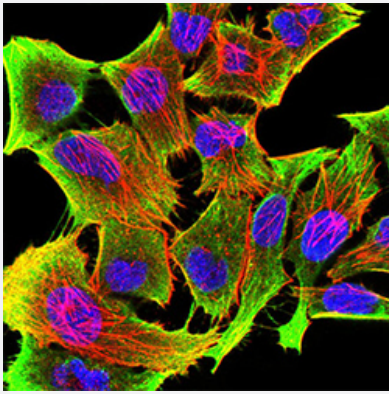
Western Blot

Western Blot analysis of human TH recombinant protein.



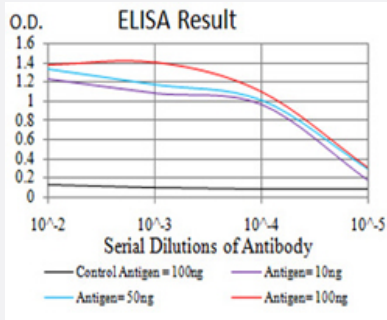
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of cervical cancer tissues with DAB staining.



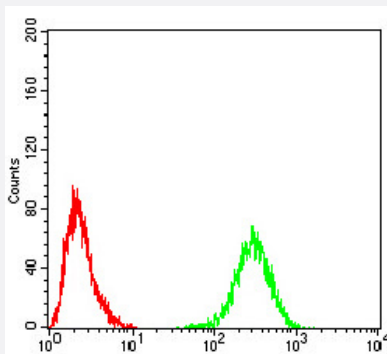
Immunofluorescence

Immunofluorescent staining of HeLa cell line with antibody (green). DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



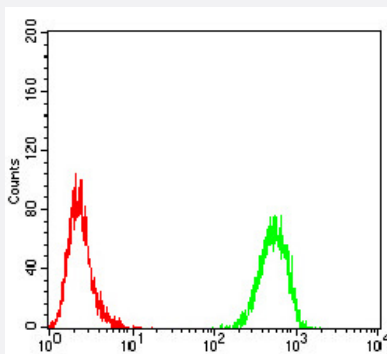
Enzyme-linked Immunoabsorbent Assay

ELISA analysis of TH monoclonal antibody.



Flow Cytometry

Flow cytometric analysis of HeLa cells using TH mouse monoclonal antibody (green) and negative control (red).



Flow Cytometry

Flow cytometric analysis of MCF-7 cells using TH mouse monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human TH.

Immunogen

Recombinant protein corresponding to amino acids 44-208 of human TH from *E. coli*.

Host	Mouse
Theoretical MW (kDa)	58.6
Reactivity	Human, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1000) Immunofluorescence (1:200-1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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

Western Blot analysis of (1) SH-SY5Y, and (2) PC-12 cell lysate.

- Western Blot

Western Blot analysis of human TH recombinant protein.

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

Immunohistochemical staining of cervical cancer tissues with DAB staining.

- Immunofluorescence

Immunofluorescent staining of HeLa cell line with antibody (green). DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of TH monoclonal antibody.

- Flow Cytometry

Flow cytometric analysis of HeLa cells using TH mouse monoclonal antibody (green) and negative control (red).

- Flow Cytometry

Flow cytometric analysis of MCF-7 cells using TH mouse monoclonal antibody (green) and negative control (red).

Gene Info — TH

Entrez GeneID [7054](#)

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](#)
- [Personality Assessment](#)
- [Personality Inventory](#)
- [Polycystic Ovary Syndrome](#)
- [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](#)