

Product Name: TH Mouse Monoclonal Antibody**Catalog #: AMM81625**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ICC,ELISA,FC |
| Reactivity | Human,Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 58.6kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | TH |
| Alternative Names | TYH; DYT14; DYT5b |
| Gene ID | 7054.0 |
| SwissProt ID | P07101 |
| Immunogen | Purified recombinant fragment of human TH (AA: 44-208) expressed in E. Coli. |

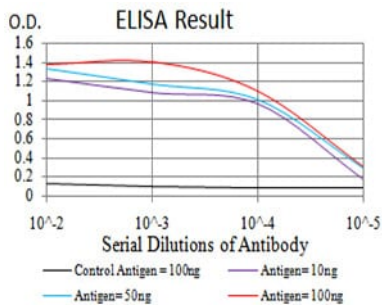
Background

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

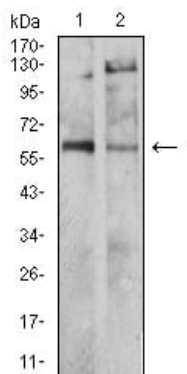
have been noted for this gene.

Research Area

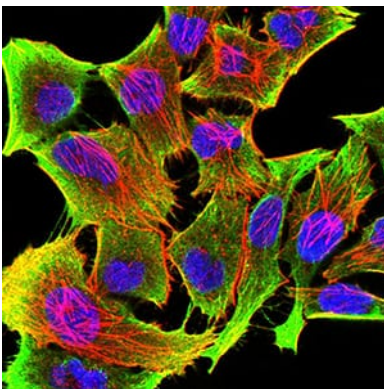
Image Data



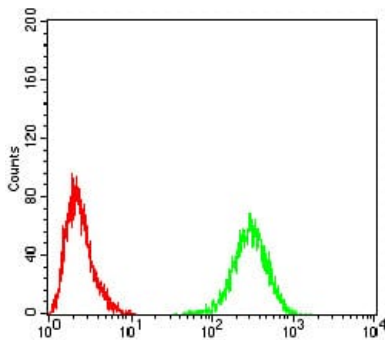
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



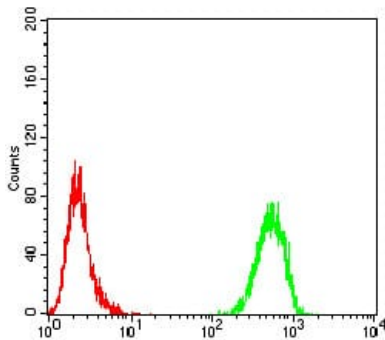
Western blot analysis using TH mouse mAb against SH-SY5Y (1) and PC-12 (2) cell lysate.



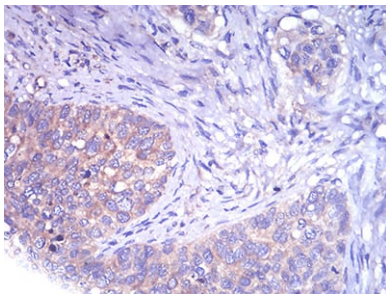
Immunofluorescence analysis of HeLa cells using TH mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Hela cells using TH mouse mAb (green) and negative control (red).



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



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using TH mouse mAb with DAB staining.