TPH-1 Rabbit mAb

Catalog No.: A25610 Recombinant



Basic Information

Observed MW

Refer to figures

Calculated MW

51kDa/53kDa

Category

Primary antibody

Applications

IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC65043

Background

This gene encodes a member of the aromatic amino acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. Mutations in this gene have been associated with an elevated risk for a variety of diseases and disorders, including schizophrenia, somatic anxiety, anger-related traits, bipolar disorder, suicidal behavior, addictions, and others.

Recommended Dilutions

IF-P 1:200 - 1:800

IHC-P 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

 Gene ID
 Swiss Prot

 7166
 P17752

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

TPRH; TRPH

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
<u> </u>	Π	www.ahclonal.com.cn

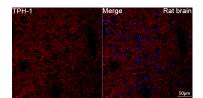
Product Information

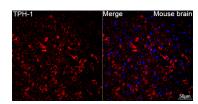
SourceIsotypePurificationRabbitIgGAffinity purification

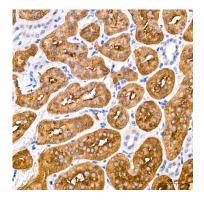
Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



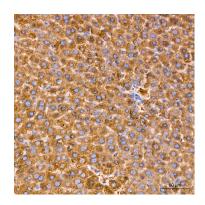




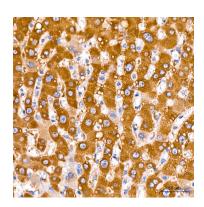
Confocal imaging of paraffin-embedded Rat brain tissue using TPH-1 Rabbit mAb (A25610, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Confocal imaging of paraffin-embedded Mouse brain tissue using TPH-1 Rabbit mAb (A25610, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining,

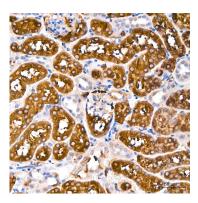
Immunohistochemistry analysis of paraffinembedded Rat kidney tissue using TPH-1 Rabbit mAb (A25610) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse liver tissue using TPH-1 Rabbit mAb (A25610) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human liver tissue using TPH-1 Rabbit mAb (A25610) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse kidney tissue using TPH-1 Rabbit mAb (A25610) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.