



Rabbit Anti-Human TPH2 monoclonal antibody, clone 0I2M7 (CABT-L1643)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Sheep and Rat.
Target	TPH2
Immunogen	Protein corresponding to Human TPH2 (aa 1-160)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	0I2M7
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction

Tryptophan hydroxylase (TPH) is a member of the pterin-dependent aromatic acid hydroxylase family. It catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. TPH is expressed predominantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression.

Keywords

TPH2;tryptophan hydroxylase 2;tryptophan 5-hydroxylase 2;FLJ37295;NTPH;tryptophan 5-monooxygenase 2;neuronal tryptophan hydroxylase;ADHD7;MGC138871;MGC138872

GENE INFORMATION

Entrez Gene ID

[121278](#)

UniProt ID

[Q8IWU9](#)