



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](#)