Recombinant Tryptophan Hydroxylase 1/TPH1 Monoclonal Antibody

catalog number: AN300408P

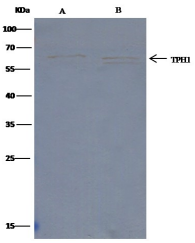
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Tryptophan Hydroxylase 1/TPH1 Protein
Host	Rabbit
Isotype	IgG
Clone	B334
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:1000
IP	0.2-1 μL/mg of lysate

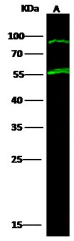
Data



Immunoprecipitation analysis using 0.5 μL anti-TPH1 Monoclonal Antibody and 60 μg of Immunomagnetic beads Protein G. Western blot was performed from the immunoprecipitate using TPH1 Monoclonal Antibody at a dilution of 1:500. Lane A:0.5 mg Jurkat Whole Cell Lysate, Lane B:0.5 mg THP-1 Whole Cell Lysate

Observed-MW:55 kDa

Calculated-MW:55 kDa



Western Blot with TPH1 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: THP1 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:55 kDa

Calculated-MW:55 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

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.

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