

Datasheet for ABIN7011607

anti-Tryptophan Hydroxylase 2 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	60 µL
Target:	Tryptophan Hydroxylase 2 (TPH2)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human TPH2 (NP_775489.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Tryptophan Hydroxylase 2 (TPH2)
Alternative Name:	TPH2 (TPH2 Products)
Background:	This gene encodes a member of the pterin-dependent aromatic 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 may be associated with psychiatric diseases such as bipolar affective disorder and major depression.
Molecular Weight:	Observed_MW: 56 kDa

Target Details

	Calculated_MW: 56 kDa
Gene ID:	121278
UniProt:	Q8IWU9

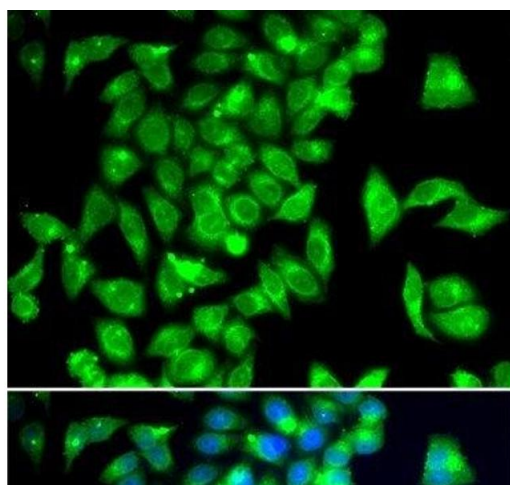
Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:100
Restrictions:	For Research Use only

Handling

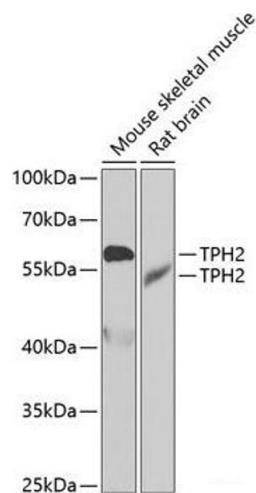
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



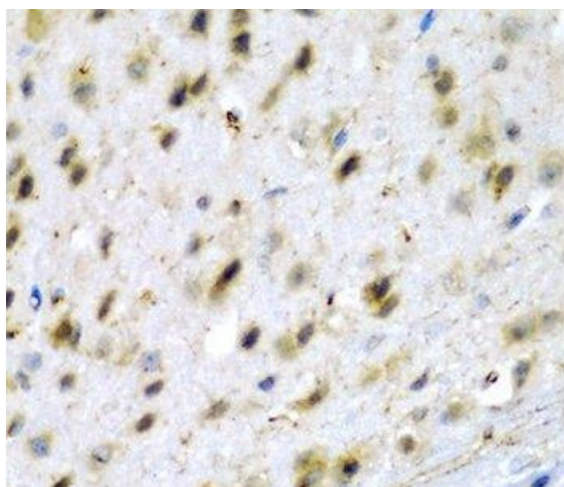
Immunofluorescence

Image 1. Immunofluorescence analysis of A549 cells using TPH2 Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using TPH2 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Mouse brain using TPH2 Polyclonal Antibody at dilution of 1:200 (40x lens).