

# Product datasheet

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ARG41509 anti-TPH1 antibody

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes TPH1

Tested Reactivity Hu, Ms, Rat

Tested Application IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name TPH1

Species Human

Immunogen Synthetic peptide of Human TPH1.

Conjugation Un-conjugated

Alternate Names Tryptophan 5-hydroxylase 1; TRPH; EC 1.14.16.4; Tryptophan 5-monooxygenase 1; TPRH

## **Application Instructions**

Application table	Application	Dilution
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	THP-1	
Observed Size	~ 53 kDa	

## **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol TPH1

Gene Full Name tryptophan hydroxylase 1

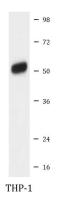
Background This gene encodes a member of the aromatic amino acid hydroxylase family. The encoded protein

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.[provided by RefSeq, Apr 2009]

Calculated Mw 51 kDa

## **Images**



#### ARG41509 anti-TPH1 antibody WB image

Western blot: THP-1 cell lysate stained with ARG41509 anti-TPH1 antibody.