

## Product datasheet

# Human TPH2 peptide ab45838

### 概述

**产品名称** 人TPH2多肽

### 描述

**性质** Synthetic

### 氨基酸序列

**种属** Human

**序列** C-NKPNSGKNDDKGNK

**氨基酸** 37 to 50

### 技术指标

Our [Abpromise guarantee](#) covers the use of **ab45838** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**应用** Blocking - Blocking peptide for Anti-TPH2 antibody ([ab40846](#))

**形式** Liquid

**补充说明** [ab40846](#) Anti-TPH2 antibody is the corresponding antibody to this peptide.

### 制备和贮存

**稳定性和存储** Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

### 常规信息

**组织特异性** Brain specific.

**通路** Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.

**疾病相关** Genetic variation in TPH2 may influence susceptibility to major depressive disorder (MDD) [MIM:608516].

Defects in TPH2 are the cause of susceptibility to attention deficit-hyperactivity disorder type 7 (ADHD7) [MIM:613003]. ADHD is a neurobehavioral developmental disorder and is primarily characterized by the co-existence of attentional problems and hyperactivity, with each behavior

occurring infrequently alone. Note=Naturally occurring variants of TPH2 with impaired enzyme activity could cause deficiency of serotonin production and result in an increased risk of developing behavioral disorders.

#### 序列相似性

Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.  
Contains 1 ACT domain.

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