

## Product datasheet

# Anti-TNIK antibody ab95888

### 1 图像

#### 概述

产品名称	Anti-TNIK抗体
描述	兔多克隆抗体to TNIK
宿主	Rabbit
经测试应用	适用于: IP 不适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Horse, Dog, Chimpanzee, Rhesus monkey, Gorilla
免疫原	Synthetic peptide, corresponding to a region between residues 750 and 800 of Human TNIK (NP_055843.1).
阳性对照	HeLa whole cell lysate.

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: Tris citrate/phosphate, pH 7-8
纯度	Immunogen affinity purified
纯化说明	ab95888 was affinity purified using an epitope specific to TNIK immobilized on solid support.
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab95888** in the following tested applications.

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

应用	Ab评论	说明
IP		Use at 2-5 µg/mg of lysate.

## 应用说明

Is unsuitable for WB.

## 靶标

### 功能

Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway. Recruited to promoters of Wnt target genes and required to activate their expression. May act by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway. May play a role in the response to environmental stress. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it may play a role in cytoskeletal rearrangements and regulate cell spreading.

### 组织特异性

Expressed ubiquitously. Highest levels observed in heart, brain and skeletal muscle. Expressed in normal colonic epithelia and colorectal cancer tissues.

### 序列相似性

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CNH domain.  
Contains 1 protein kinase domain.

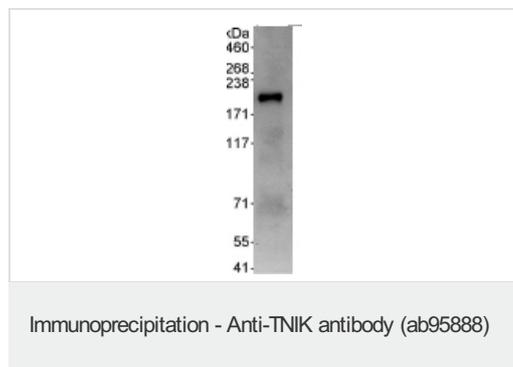
### 翻译后修饰

Autophosphorylated. Autophosphorylation is activated by RAP2A and induces association to the cytoskeletal fraction.

### 细胞定位

Nucleus. Cytoplasm. Recycling endosome. Cytoplasm > cytoskeleton. Associated with recycling endosomes and the cytoskeletal fraction upon RAP2A overexpression.

## 图片



Detection of TNIK by Western Blot of Immunoprecipitate.  
anti-TNIK at 1 µg/ml staining TNIK in HeLa whole cell lysate immunoprecipitated using ab95888 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).  
Detection: Chemiluminescence with exposure time of 30 seconds.

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