

### Anti-TIM 3 antibody ab185703

★★★★★ [5 Abreviews](#) [33 References](#) [2 图像](#)

#### 概述

产品名称	Anti-TIM 3抗体
描述	兔多克隆抗体to TIM 3
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human TIM 3 aa 1-250. Extracellular domain. Database link: <a href="#">Q8TDQ0</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
阳性对照	WB: HepG2, BxPC-3, BT-474, U937, A-549, THP-1 cell lysates. Mouse spleen, lung and thymus. Rat spleen.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab185703 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/2000. Predicted molecular weight: 33 kDa.

## 靶标

### 功能

Cell surface receptor implicated in modulating innate and adaptive immune responses. Generally accepted to have an inhibiting function. Reports on stimulating functions suggest that the activity may be influenced by the cellular context and/or the respective ligand (PubMed:24825777). Regulates macrophage activation (PubMed:11823861). Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance (PubMed:14556005). In CD8+ cells attenuates TCR-induced signaling, specifically by blocking NF-kappaB and NFAT promoter activities resulting in the loss of IL-2 secretion. The function may implicate its association with LCK proposed to impair phosphorylation of TCR subunits, and/or LGALS9-dependent recruitment of PTPRC to the immunological synapse (PubMed:24337741, PubMed:26492563). In contrast, shown to activate TCR-induced signaling in T-cells probably implicating ZAP70, LCP2, LCK and FYN (By similarity). Expressed on Treg cells can inhibit Th17 cell responses (PubMed:24838857). Receptor for LGALS9 (PubMed:16286920, PubMed:24337741). Binding to LGALS9 is believed to result in suppression of T-cell responses; the resulting apoptosis of antigen-specific cells may implicate HAVCR2 phosphorylation and disruption of its association with BAG6. Binding to LGALS9 is proposed to be involved in innate immune response to intracellular pathogens. Expressed on Th1 cells interacts with LGALS9 expressed on Mycobacterium tuberculosis-infected macrophages to stimulate antibactericidal activity including IL-1 beta secretion and to restrict intracellular bacterial growth (By similarity). However, the function as receptor for LGALS9 has been challenged (PubMed:23555261). Also reported to enhance CD8+ T-cell responses to an acute infection such as by *Listeria monocytogenes* (By similarity). Receptor for phosphatidylserine (PtSer); PtSer-binding is calcium-dependent. May recognize PtSer on apoptotic cells leading to their phagocytosis. Mediates the engulfment of apoptotic cells by dendritic cells. Expressed on T-cells, promotes conjugation but not engulfment of apoptotic cells. Expressed on dendritic cells (DCs) positively regulates innate immune response and in synergy with Toll-like receptors promotes secretion of TNF-alpha. In tumor-infiltrating DCs suppresses nucleic acid-mediated innate immune response by interaction with HMGB1 and interfering with nucleic acid-sensing and trafficking of nucleic acids to endosomes (By similarity). Expressed on natural killer (NK) cells acts as a coreceptor to enhance IFN-gamma production in response to LGALS9 (PubMed:22323453). In contrast, shown to suppress NK cell-mediated cytotoxicity (PubMed:22383801). Negatively regulates NK cell function in LPS-induced endotoxic shock.

### 组织特异性

Expressed in T-helper type 1 (Th1) lymphocytes. Expressed on regulatory T (Treg) cells after TCR stimulation. Expressed in dendritic cells and natural killer (NK) cells. Expressed in epithelial tissues. Expression is increased on CD4+ and CD8+ T-cells in chronic hepatitis C virus (HCV) infection. In progressive HIV-1 infection, expression is up-regulated on HIV-1-specific CD8 T-cells.

### 疾病相关

May be involved in T-cell exhaustion associated with chronic viral infections such as with human immunodeficiency virus (HIV) and hepatitis C virus (HCV).

### 序列相似性

Belongs to the immunoglobulin superfamily. TIM family.  
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

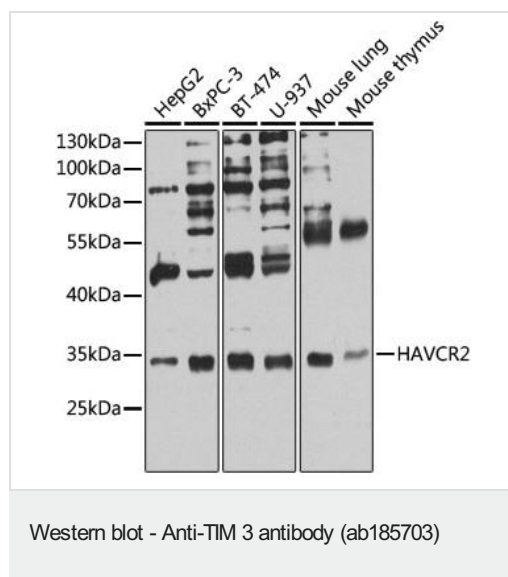
### 翻译后修饰

O-glycosylated with core 1 or possibly core 8 glycans.  
Phosphorylated on tyrosine residues; modestly increased after TCR/CD28 stimulation. Can be phosphorylated in the cytoplasmic domain by FYN (By similarity). Phosphorylation at Tyr-265 is increased by stimulation with ligand LGALS9.

### 细胞定位

Membrane. Cell junction. Localizes to the immunological synapse between CD8+ T-cells and target cells.

### 图片



**All lanes :** Anti-TIM 3 antibody (ab185703) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** BxPC-3 cell lysate

**Lane 3 :** BT-474 cell lysate

**Lane 4 :** U-937 cell lysate

**Lane 5 :** Mouse lung tissue lysate

**Lane 6 :** Mouse thymus tissue lysate

Lysates/proteins at 25 µg per lane.

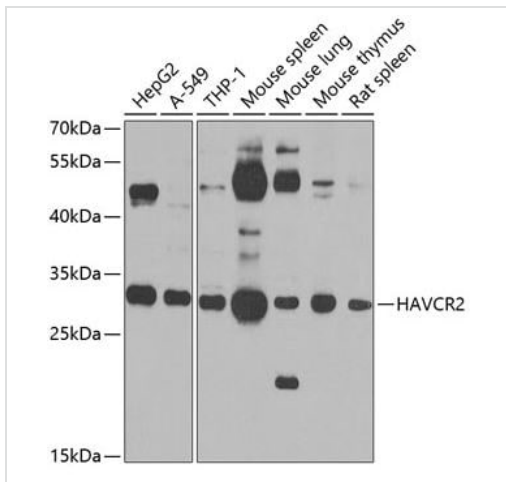
### Secondary

**All lanes :** HRP Goat Anti-Rabbit IgG

Developed using the ECL technique.

**Predicted band size:** 33 kDa

**Exposure time:** 10 seconds



Western blot - Anti-TIM 3 antibody (ab185703)

**All lanes** : Anti-TIM 3 antibody (ab185703) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : A-549 cell lysate

**Lane 3** : THP-1 cell lysate

**Lane 4** : Mouse spleen tissue lysate

**Lane 5** : Mouse lung tissue lysate

**Lane 6** : Mouse thymus tissue lysate

**Lane 7** : Rat spleen tissue lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes** : HRP Goat Anti-Rabbit IgG

Developed using the ECL technique.

**Predicted band size:** 33 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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