

## Product datasheet

# HRP Anti-T7 tag® antibody ab19291

[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	HRP Anti-T7 tag® antibody
<b>Description</b>	HRP Rabbit polyclonal to T7 tag®
<b>Host species</b>	Rabbit
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, ICC, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Synthetic peptide: MASMTGGQMG conjugated to KLH.

 [Run BLAST with](#)

 [Run BLAST with](#)

### General notes

Molar enzyme/antibody protein ratio is 4:1.

T7-TAG® is a trademark of EMD Biosciences, Inc.

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.

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&As

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.19% HEPES, 0.58% Sodium chloride, 0.2% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antibody was isolated by affinity chromatography using the peptide immobilized on solid support and conjugated to horseradish peroxidase (HRP).

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab19291 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		
ICC		
WB		

**Application notes**

ELISA: 1/10000 - 1/100000.  
 ICC: 1/200 - 1/500.  
 WB: 1/1000 - 1/30000. Colorimetric detection: 1:1000 - 1:10000, Chemiluminescent detection: 1:1000 - 1:30000

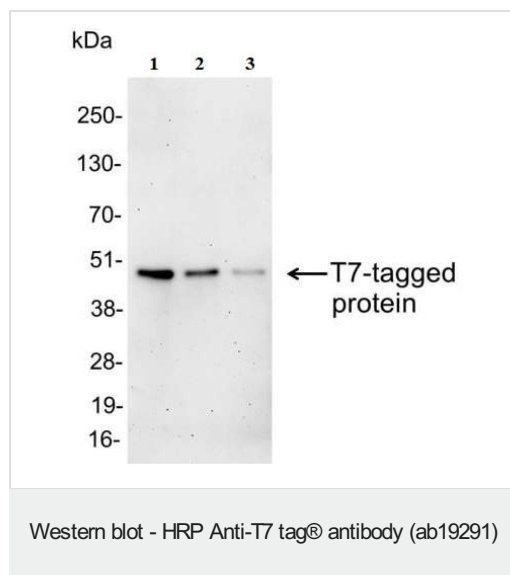
Not tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

## Target

**Relevance**

The T7 tag is an 11 amino acid peptide encoded in the leader sequence of T7 bacteriophage gene10. This gene encodes a T7 major capsid protein whose function is not clear. The T7 tag serves as a tag in many expression vectors including the pET system that is based on the very efficient T7 RNA polymerase expression system. Monoclonal antibodies specific for T7 tag are an important tool for studying expression of recombinant T7-tagged proteins.

## Images



**All lanes :** HRP Anti-T7 tag® antibody (ab19291) at 1/5000 dilution

**Lane 1 :** E. coli whole cell lysate expressing a multi-tag fusion protein at 0.2 µg

**Lane 2 :** E. coli whole cell lysate expressing a multi-tag fusion protein at 0.1 µg

**Lane 3 :** E. coli whole cell lysate expressing a multi-tag fusion protein at 0.05 µg

**Predicted band size:** 37 kDa

**Exposure time:** 3 minutes

Detected by chemiluminescence.

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

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