


## Product datasheet

# Anti-Proteasome 20S beta 7 antibody ab3332

1 Image

### Overview

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<b>Product name</b>	Anti-Proteasome 20S beta 7 antibody
<b>Description</b>	Rabbit polyclonal to Proteasome 20S beta 7
<b>Host species</b>	Rabbit
<b>Specificity</b>	Detects proteasome 20S beta 7 (also known as the beta 2 subunit) from purified bovine and human 26S proteasome samples.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Cow, Human <b>Predicted to work with:</b> Mouse, Rat, Pig 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Proteasome 20S beta 7 aa 263-277 (N terminal). Sequence: EIEVLEETVQTMDTS  Database link: <a href="#">Q99436</a> (Peptide available as <a href="#">ab4948</a> )

 [Run BLAST with](#)

 [Run BLAST with](#)

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituents: 0.1% BSA, 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab3332** in the following tested applications.

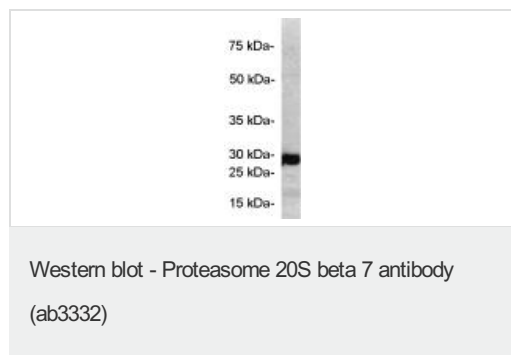
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 29 kDa (predicted molecular weight: 90 kDa). Can be blocked with <a href="#">Proteasome 20S beta 7 peptide (ab4948)</a> .
IHC-P		Use at an assay dependent concentration.

## Target

<b>Function</b>	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This unit is responsible of the trypsin-like activity.
<b>Tissue specificity</b>	Expressed at a low level in colonic mucosa. Up-regulated in colorectal cancer tissues.
<b>Sequence similarities</b>	Belongs to the peptidase T1B family.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

## Images



Western blot of proteasome 20S beta 7 in purified human 26S proteasome samples using ab3332.

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