

## Proteasome alpha3 Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP12198
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human Proteasome $\alpha$ 3
<b>Mol wt</b>	28050
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Proteasome alpha 3
<b>Synonyms</b>	Proteasome $\alpha$ 3; Proteasome subunit alpha type-3; EC 3.4.25.1; Macropain subunit C8; Multicatalytic endopeptidase complex subunit C8; Proteasome component C8

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome| the immunoproteasome| is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family| that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified.

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year