Data Sheet (Cat.No.TMAC-03442)

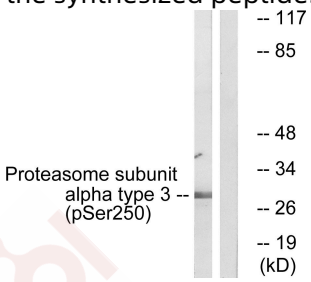
Anti-Phospho-Proteasome α3 (Ser250) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 32 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:	1. Western blot analysis of extracts from 3T3 cells, treated with EGF (200ng/ml, 30mins), using Proteasome α3 (Phospho-Ser250) antibody TMAC-03442. The lane on the right is treated with the synthesized peptide.



Application:	WB
Recommended	WB: 1:500-3000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 250 (D-E-S(p)-D-D) derived from Human Proteasome α3
Antigen Species:	Human
Uniprot ID:	P25788
Synonyms:	p-Proteasome α3 (S250);p-Proteasome α3 (Ser250);Proteasome α3 (p-S250);Proteasome α3 (p-Ser250)

Research Background

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. Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2.

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