20S Proteasome α3 (Phospho Ser250) Rabbit pAb

CatalogNo: YP0396 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 32kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:10000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Proteasome alpha3 around the phosphorylation site of Ser250. AA range:206-255

Specificity	Phospho-20S Proteasome α3 (S250) Polyclonal Antibody detects endogenous levels of 20S Proteasome α3 protein only when phosphorylated at S250.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):DEsDD

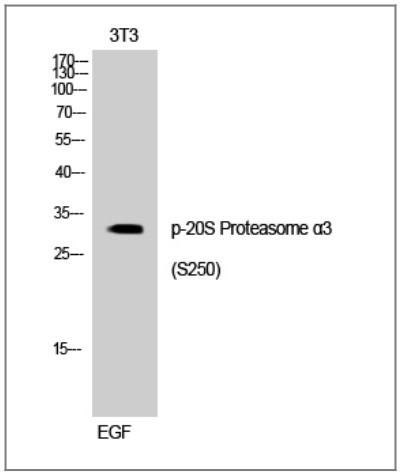
Target Information

Gene name	PSMA3 HC8 PSC8
Protein Name	Proteasome subunit alpha type-3

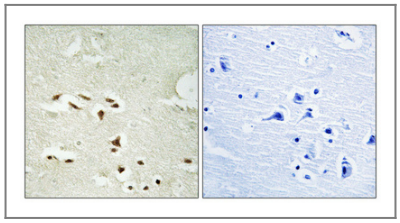
Organism	Gene ID	UniProt ID
Human	5684;	P25788;
Mouse	19167;	O70435;
Rat	29670;	P18422;

Cellular Localization	Cytoplasm . Nucleus . Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2 , which bridges the proteasome with the nuclear import receptor IPO9. .
Tissue specificity	Bone marrow ,Epithelium ,Liver ,Pancreas ,Urinary bladder ,
Function	Catalytic activity:Cleavage of peptide bonds with very broad specificity. ,Function: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. ,similarity:Belongs to the peptidase T1A family. ,subunit:The 26S proteasome consists of a 20S proteasome core and two 19S regulatory subunits. The 20S proteasome core is composed of 28 subunits that are arranged in four stacked rings , resulting in a barrel-shaped structure. The two end rings are each formed by seven alpha subunits , and the two central rings are each formed by seven beta subunits. ,subunit:The 26S proteasome consists of a 20S proteasome core and two 19S regulatory subunits. The 20S proteasome core is composed of 28 subunits that are arranged in four stacked rings , resulting in a barrel-shaped structure. The two end rings are each formed by seven alpha subunits , and the two central rings are each formed by seven beta subunits. The catalytic chamber with the active sites is on the inside of the barrel. ,

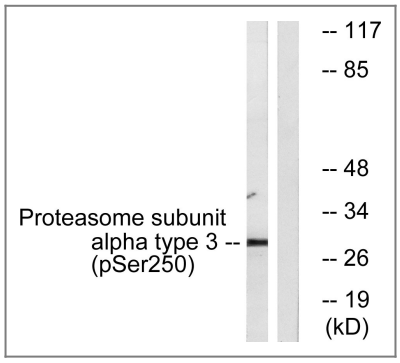
Validation Data



Western Blot analysis of 3T3 cells using Phospho-20S Proteasome α3 (S250) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with EGF 200ng/ml 30', using Proteasome alpha3 (Phospho-Ser250) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
20S Proteasome α3 (Phospho Ser250) Rabbit pAb