

Anti-PSMG1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 33 kDa. Actual: 29 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PSMG1 Polyclonal Antibody, Unconjugated (TMAB-11881) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Tissue/cell: human cervix carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PSMG1 Polyclonal Antibody, Unconjugated (TMAB-11881) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	3. Tissue/cell: human brain glioma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PSMG1 Polyclonal Antibody, Unconjugated (TMAB-11881) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	4. Protein: brain (mouse) lysate at 40 µg; Primary: rabbit Anti-PSME1 at 1:300; Secondary: iRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 29 kD
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PSMG1
Antigen Species: Human
Gene ID: 8624
Uniprot ID: O95456

Research Background

PSMG1 is a chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. There are two named isoforms.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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