

Anti-CLPP Antibody (30549)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 30 kDa. Actual: 28 kDa.
Clone:	30549
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Rat Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Rat Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CLPP Monoclonal Antibody, Unconjugated (TMAB-04466) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

10. 25 ug total protein per lane of various lysates (see on figure) probed with CLPP monoclonal antibody, unconjugated (TMAB-04466) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

11. The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CLPP antibody (TMAB-04466, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.

12. 4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (CLPP) monoclonal Antibody, unconjugated (TMAB-04466) 1: 100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, BF488) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P,IP,WB

Recommended FCM=1:50-100; ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; IP=1:20-50; WB=1:500-2000

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: A synthesized peptide: human CLPP

Antigen Species: Human

Gene ID: 8192

Uniprot ID: Q16740

Research Background

Protease component of the Clp complex that cleaves peptides and various proteins in an ATP-dependent process. Has low peptidase activity in the absence of CLPX. The Clp complex can degrade CSN1S1, CSN2 and CSN3, as well as synthetic peptides (in vitro) and may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481