

## Anti-Cathepsin L/V/K/H Antibody (7A425)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 37, 38 kDa. Actual: 38 kDa.
Clone:	7A425
Purification:	Protein A purified

## Applications

## Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Mouse Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Human Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Mouse Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Human Invasive urothelial carcinoma of the bladder; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) 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 Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) at 1:200 overnight at 4°C, followed by

conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Rat Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei.

11. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei.

12. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei.

13. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin L/V/K/H Monoclonal Antibody, Unconjugated (TMAB-03693) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei.

Application: IHC-P,IHC-Fr,IF

Recommended IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

### 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 Cathepsin L/V/K/H

Antigen Species: Human

Gene ID: 1514

Uniprot ID: P07711

### Research Background

Thiol protease important for the overall degradation of proteins in lysosomes (Probable). Plays a critical for normal cellular functions such as general protein turnover, antigen processing and bone remodeling.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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