

Anti-Cathepsin B Antibody (3K504)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 38 kDa. Actual: 42 kDa.
Clone:	3K504
Purification:	Protein A purified

Applications

Verified Activity:

1. 25 ug total protein per lane of various lysates (see on figure) probed with Cathepsin B monoclonal antibody, unconjugated (TMAB-03682) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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 Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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 Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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 Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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 Thymus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cathepsin B Monoclonal Antibody, Unconjugated (TMAB-03682) 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 Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cathepsin B Recombinant Monoclonal Antibody, Unconjugated (TMAB-03682) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
9. 4% Paraformaldehyde-fixed SK-MEL-28 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Cathepsin B) monoclonal Antibody, unconjugated (TMAB-03682) 1: 100, 90 min at 37°C; followed by BF488 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.

A DRUG SCREENING EXPERT

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

Recommended ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; IP=1:20-50; WB=1:1000-2000

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 Cathepsin B

Antigen Species: Human

Gene ID: 1508

Uniprot ID: P07858

Research Background

Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Cleaves matrix extracellular phosphoglycoprotein MEPE. Involved in the solubilization of cross-linked TG/thyroglobulin in the thyroid follicle lumen.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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