

# Cathepsin B Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Gly60 of human cathepsin B
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10984870

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	-

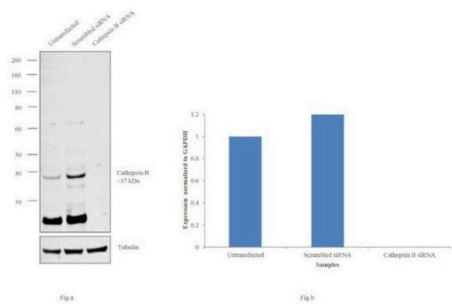
## Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Cathepsin B Polyclonal Antibody

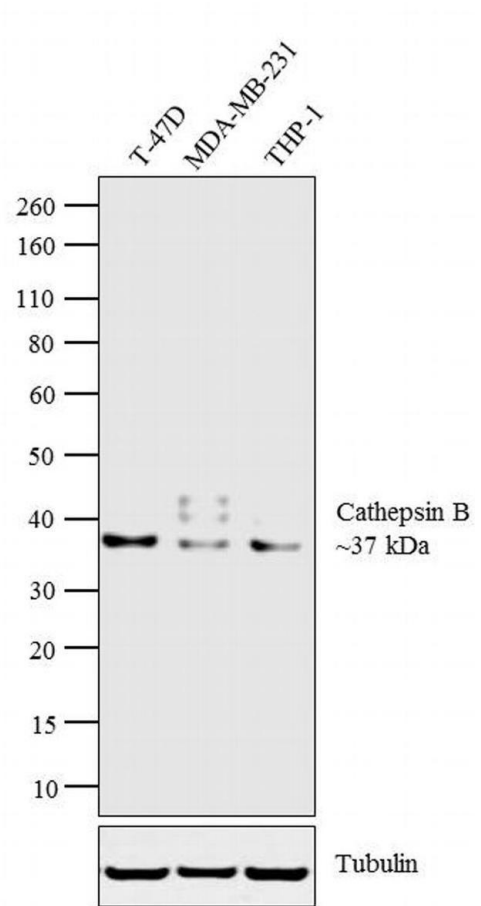
Cathepsin B Antibody (PA5-17006)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with Cathepsin B siRNA and loss of signal was observed in Western Blot using Cathepsin B Polyclonal Antibody (Product # PA5-17006). {KD}



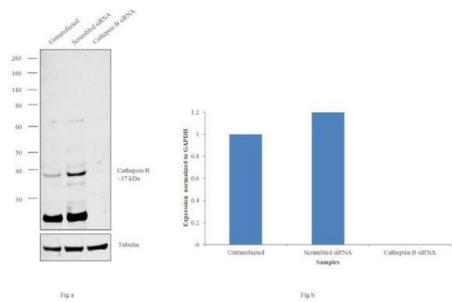
Cathepsin B Antibody (PA5-17006) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of T-47D (Lane 1), MDA-MB-231 (Lane 2) and THP-1 (Lane 3). The blot was probed with anti-Cathepsin B Rabbit Polyclonal Antibody (Product # PA5-17006, 1:500 dilution) and detected by chemiluminescence using Goat anti Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 37 kDa band corresponding to Cathepsin B was detected across the cell lines tested.



Cathepsin B Antibody (PA5-17006) in WB

Knockdown of Cathepsin B was achieved by transfecting MCF7 cells with Cathepsin B specific siRNAs (Silencer® select Product # s3739). Western blot analysis (Fig. a) was performed using whole cell extracts from Cathepsin B knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blots were probed with Cathepsin B Polyclonal Antibody (Product # PA5-17006, 1:500 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Loss of signal upon siRNA mediated knock down confirms that antibody is specific to Cathepsin B.



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