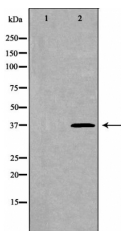


## Cathepsin B Ab

[Images\(1\)](#)

Cat.#: DF6149	Concn.: ~1mg/ml	Mol.Wt.: 38kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human Cathepsin B, corresponding to a region within the internal amino acids.	
Uniprot:	P07858	
Description:	Cathepsin B (CSTB), part of the papain family of proteases, is a widely expressed lysosomal cysteine endopeptidase (1,2). Like other family members, cathepsin B is produced from a larger precursor form, pro-cathepsin B, which in its glycosylated form runs at approximately 40 kDa on SDS-PAGE, and is then activated by cleavage of a 62-amino acid pro-peptide. High levels of cathepsin B are found in macrophages and osteoclasts, as well as various types of cancer cells, including lung, colon, prostate, breast, and stomach. In addition, expression of cathepsin B has been associated with multiple sclerosis , rheumatoid arthritis , and pancreatitis . While generally localized to lysosomes, in cancer alterations can lead to its secretion .	



Western blot analysis of mouse brain lysates using CTSB Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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procedures. Not for resale without express authorization.