

Product datasheet for **AP20651PU-N**

Cathepsin B (CTSB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Cathepsin B protein. (region surrounding asn217)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 36 kDa
Gene Name:	cathepsin B
Database Link:	<u>Entrez Gene 13030 Mouse</u> <u>Entrez Gene 64529 Rat</u> <u>Entrez Gene 1508 Human</u> <u>P07858</u>



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Background:

The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S and O. The aspartyl protease class is composed of cathepsins D and E. cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. cathepsin B is expressed in luminal epithelial cells, indicating that cathepsin B is a marker for secretory cell death.

Synonyms:

Cathepsin B1, APP secretase, APPS, CTSB, CPSB

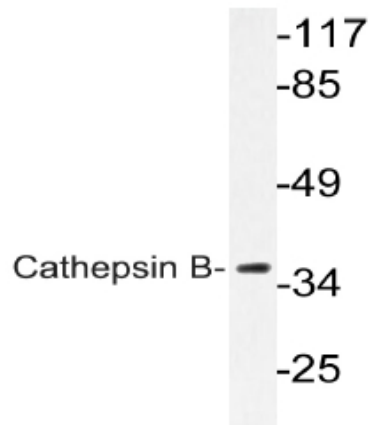
Protein Families:

Druggable Genome, Protease

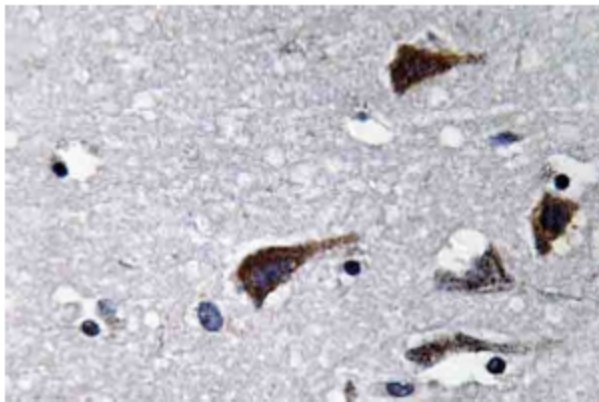
Protein Pathways:

Antigen processing and presentation, Lysosome

Product images:



Western blot (WB) analysis of Cathepsin B Antibody (Cat.-No.: AP20651PU-N) in extracts from COLO cells.



Immunohistochemistry analysis of Cathepsin B Antibody (Cat.-No.: AP20651PU-N) in Paraffin-Embedded Human brain tissue.