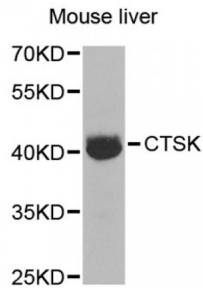


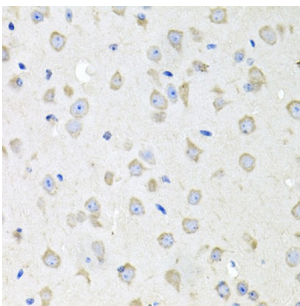
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Cathepsin K (CTSK) Antibody

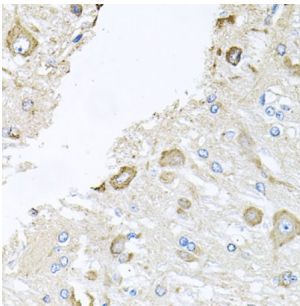
Catalogue No.: abx001478



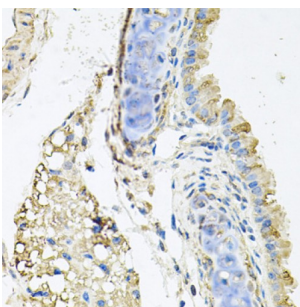
Western blot analysis of extracts of mouse liver, using CTSK antibody (abx001478) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded mouse brain using CTSK antibody (abx001478) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using CTSK antibody (abx001478) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using CTSK antibody (abx001478) at dilution of 1/100 (40x lens).

CTSK Antibody is a Rabbit Polyclonal antibody against CTSK. CTSK (cathepsin K), also named as CTSO, CTSO2, is a recently identified lysosomal cysteine proteinase. CTSK is synthesized as a proenzyme of 38 kDa and subsequently enters acidic lysosomal compartments, in which the propeptide is cleaved and transformed into an active enzyme and it may influence adipocyte differentiation through modifying extracellular matrix components (PMID:16912123). It is revealed both the 46-kDa cathepsin-K precursor and the 30-kDa mature form in mouse bone extracts (PMID:9811821). The high CTSK protein levels are only detected in primary cultured fibroblasts derived from normal and neoplastic breast tissue, where the 37- and 25-kDa bands to be detected correspond to pro- and mature proteins through western blot (PMID:18765527). The full length protein has a signal peptides with 15 amino acids and a propeptide with 99 amino acids. This antibody is specific to CTSK.

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Target:	CTSK
Reactivity:	Mouse, Rat, Duck
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IHC
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human CTSK.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 36 kDa Observed MW: 41 kDa
Swiss Prot:	P43235
GeneID:	1513
Gene Symbol:	CTSK
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.