

ARG42664 anti-Cathepsin L + Cathepsin V + Cathepsin K + Cathepsin H antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cathepsin L + Cathepsin V + Cathepsin K + Cathepsin H
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cathepsin L + Cathepsin V + Cathepsin K + Cathepsin H
Species	Human
Immunogen	Synthetic peptide derived from Human Cathepsin L+V+K+H.
Conjugation	Un-conjugated
Alternate Names	Major excreted protein; Cathepsin L; CATL; Cathepsin L1; EC 3.4.22.15; CTSL1; MEP

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 39 kDa	

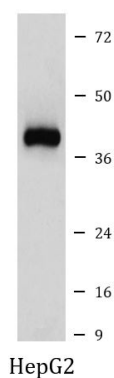
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	CTSL
Gene Full Name	cathepsin L
Background	The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012]
Function	Important for the overall degradation of proteins in lysosomes. [UniProt]
Calculated Mw	CTSL: 38 kDa CTSV: 37 kDa CTSK: 37 kDa CTSH: 37 kDa
Cellular Localization	Lysosome. [UniProt]

Images



ARG42664 anti-Cathepsin L + Cathepsin V + Cathepsin K + Cathepsin H antibody WB image

Western blot: HepG2 cell lysate stained with ARG42664 anti-Cathepsin L + Cathepsin V + Cathepsin K + Cathepsin H antibody.