ELK Biotechnology

Cleaved-Cathepsin C HC (R394) rabbit pAb

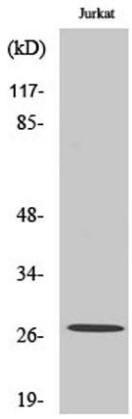
Cat No.:ES1025

For research use only

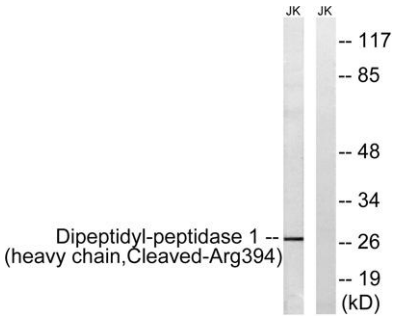
Overview

Product Name	Cleaved-Cathepsin C HC (R394) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Dipeptidyl-peptidase 1. AA range:345-394
Specificity	Cleaved-Cathepsin C HC (R394) Polyclonal Antibody detects endogenous levels of fragment of activated Cathepsin C HC protein resulting from cleavage adjacent to R394.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dipeptidyl peptidase 1
Gene Name	CTSC
Cellular localization	Lysosome.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	27kD
Human Gene ID	1075
Human Swiss-Prot Number	P53634
Alternative Names	CTSC; CPPI; Dipeptidyl peptidase 1; Cathepsin C; Cathepsin J; Dipeptidyl peptidase I; DPP-I; DPPI; Dipeptidyl transferase
Background	This gene encodes a member of the peptidase C1 family and lysosomal cysteine proteinase that appears to be a central coordinator for activation of

many serine proteinases in cells of the immune system. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate heavy and light chains that form a disulfide-linked dimer. A portion of the propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. [provided by RefSeq, Nov 2015],



Western Blot analysis of various cells using Cleaved-Cathepsin C HC (R394) Polyclonal Antibody



Western blot analysis of lysates from Jurkat cells, treated with etoposide 25uM 1h, using Dipeptidyl-peptidase 1 (heavy chain,Cleaved-Arg394) Antibody. The lane on the right is blocked with the synthesized peptide.