



Cleaved-Cathepsin A 32k (R326) Polyclonal Antibody

Catalog No	YP-Ab-02278
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CTSA
Immunogen	The antiserum was produced against synthesized peptide derived from human PPGB. AA range:277-326
Specificity	Cleaved-Cathepsin A 32k (R326) Polyclonal Antibody detects endogenous levels of fragment of activated Cathepsin A 32k protein resulting from cleavage adjacent to R326.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Carboxypeptidase C;Carboxypeptidase L;Cathepsin A;CTSA;GLB2;GSL; Lysosomal protective protein;NGBE;PPCA;PPGB;Protective protein cathepsin A; Protective protein for beta-galactosidase
Observed Band	33kD
Calculated Molecular Weight	33kD
Cell Pathway	Lysosome.
Tissue Specificity	Brain,Liver,Placenta,Platelet,Skin,Uterus,
Function	catalytic activity:Release of a C-terminal amino acid with broad specificity., disease:Defects in CTSA are the cause of galactosialidosis [MIM:256540]. It is an autosomal recessive disease.,function:Protective protein appears to be essential for both the activity of beta-galactosidase and neuraminidase, it associates with these enzymes and exerts a protective function necessary for their stability and activity. This protein is also a carboxypeptidase and can deamidate tachykinins.,similarity:Belongs to the peptidase S10 family., subunit:Heterodimer of a 32 kDa chain and a 20 kDa chain; disulfide-linked.,



Background

This gene encodes a member of the peptidase S10 family of serine carboxypeptidases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate two chains that comprise the heterodimeric active enzyme. This enzyme possesses deamidase, esterase and carboxypeptidase activities and acts as a scaffold in the lysosomal multienzyme complex. Mutations in this gene are associated with galactosialidosis. [provided by RefSeq, Nov 2015],

matters needing attention

Avoid repeated freezing and thawing!

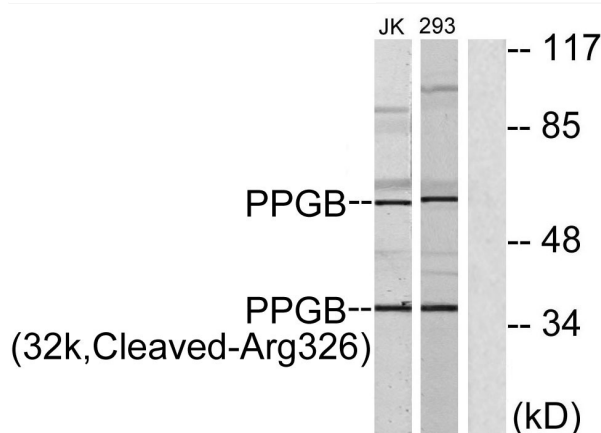
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Cleaved-Cathepsin A 32k (R326) Polyclonal Antibody



Western blot analysis of lysates from 293 and Jurkat cells, treated with etoposide 25uM 1h, using PPGB (32k, Cleaved-Arg326) Antibody. The lane on the right is blocked with the synthesized peptide.