



Cleaved-Cathepsin A 32k (R326) Polyclonal Antibody

Catalog No	BYab-02278
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CTSA
Protein Name	Lysosomal protective protein
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	CTSA; PPGB; Lysosomal protective protein; Carboxypeptidase C; Carboxypeptidase L; Cathepsin A; Protective protein cathepsin A; PPCA; Protective protein for beta-galactosidase
Observed Band	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

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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!

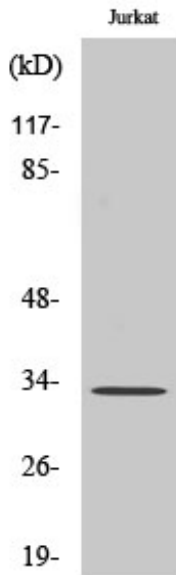
Usage suggestions

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

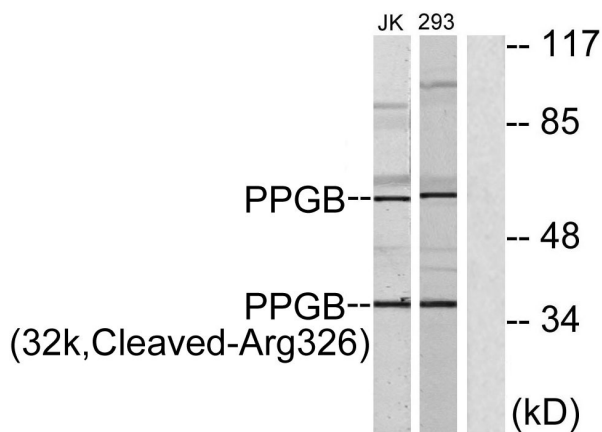
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Products Images



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.

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网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658