

## Cleaved-Cathepsin A 32k (R326) Polyclonal Antibody

Catalog No: YC0034

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA

Target: Cathepsin A

**Fields:** >>Lysosome;>>Renin-angiotensin system

Gene Name: CTSA

Protein Name: Lysosomal protective protein

P10619

P16675

**Human Gene Id:** 5476

**Human Swiss Prot** 

Tullian Swiss From

No:

Mouse Gene Id: 19025

**Mouse Swiss Prot** 

No:

**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

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



**Concentration**: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 33kD

**Cell Pathway :** Lysosome;Renin-angiotensin system;

**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],

**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..

Subcellular

Location:

**Expression:** Brain, Liver, Placenta, Platelet, Skin, Uterus,

Lysosome.

Tag: orthogonal

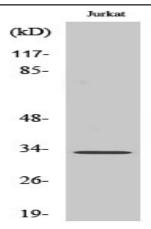
**Sort**: 4174

No4:

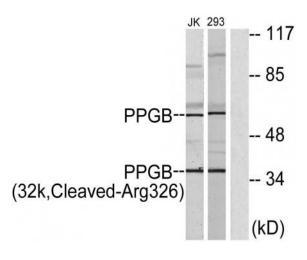
Host: Rabbit

Modifications: Unmodified

## **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.