

Cathepsin A 20k (M327) polyclonal antibody

Catalog: BS9322

Host: Rabbit

Reactivity: Human,Rat

BackGround:

The cathepsin family of proteolytic enzymes include several diverse classes of proteases. Cathepsins B, L, H, K, S and O comprise the cysteine protease class. Cathepsins D and E comprise the aspartyle protease class. The serine protease class includes cathepsin G. Cathepsins function in cellular metabolism and participate in peptide biosynthesis and protein degradation. Cathepsin A, a serine carboxypeptidase, exists in a high molecular weight lysosomal complex with β -galactosidase (β -Gal) and α -neuraminidase (Neu1). Cathepsin A functions to protect β -Gal and Neu1 from intralysosomal proteolysis. Deficiencies in cathepsin A lead to deficiencies in β -Gal and Neu1. The gene encoding human cathepsin A maps to chromosome 20q13.12. Mutations in this gene cause galactosialidosis, a lysosomal storage disorder resulting from the β -Gal and Neu1 deficiencies.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 20 kDa

Swiss-Prot:

P10619

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

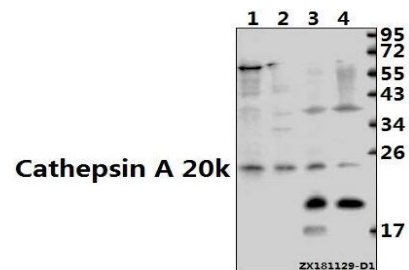
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Cathepsin A 20k (M327) polyclonal antibody detects endogenous levels of Cathepsin A 20k protein.

DATA:



Western blot (WB) analysis of Cathepsin A 20k (M327) polyclonal antibody at 1:500 dilution

Lane1:Panc1 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:Hela whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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