# Glucosidase IIβ (K117) polyclonal antibody

Catalog: BS2646 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

Trimming of glucoses from N-linked core glycans on newly synthesized glycoproteins occurs sequentially through the action of Glucosidases I and II in the endoplasmic reticulum (ER). Glucosidase II is an ER-localized enzyme that contains α and β subunits (Glucosidase IIα and Glucosidase IIβ). The α and β subunits form a defined heterodimeric complex with a molecular weight about 161 kDa. Glucosidase IIα is the catalyitc core of the enzyme and can function independently of the β subunit. The sequence of Glucosidase IIβ encodes protein rich in glutamic and aspartic acid with a putative ER retention signal (HDEL) at the C terminus. The phosphorylated form of Glucosidase IIβ is localized in the plasma membrane and is highly expressed in FGF stimulated fibroblasts and epidermal carcinoma cells. Glucosidase IIβ was first purified from a human carcinoma cell line as a potential substrate for protein kinase C. Through the HDEL signal at the C-terminus, Glucosidase IIβ retains the complete complex in the ER.

## Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

## Molecular Weight:

~ 59, 80 kDa

## Swiss-Prot:

P14314

## 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

IHC: 1:50~1:200

IF: 1:50~1:200

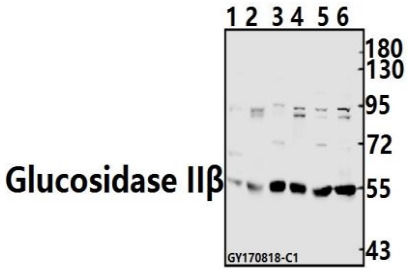
## Storage&Stability:

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

## Specificity:

Glucosidase IIβ (K117) polyclonal antibody detects endogenous levels of Glucosidase IIβ protein.

## DATA:




Western blot (WB) analysis of Glucosidase IIβ (K117) pAb at 1:500 dilution

Lane1:The Testis tissue lysate of Mouse(40ug)

Lane2:The Testis tissue lysate of Rat(40ug)

Lane3:SGC7901 whole cell lysate(40ug)

Lane4:HCT116 whole cell lysate(40ug)

Lane5:A549 whole cell lysate(40ug)

Lane6:MCF-7 whole cell lysate(40ug)

## Note:

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

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