Product Datasheet

IDE Antibody

Catalog No: #31087

Package Size: #31087-1 50ul #31087-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	IDE Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total IDE protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a C terminal 300 amino acids of human insulin-degrading enzyme
Target Name	IDE
Other Names	insulin-degrading enzyme, INSULYSIN
Accession No.	Swiss-Prot:P14735Gene ID:3416;
Uniprot	P14735
GeneID	3416;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

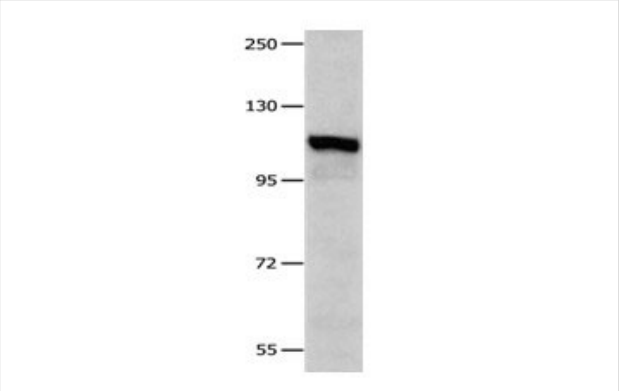
Application Details

Predicted MW: 118kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE
Lysate: 40 µg K652 cell lysate
Primary antibody: 1/350 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 40 seconds

Background

This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulins activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme

for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causitive for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described but have not been experimentally verified.

Note: This product is for in vitro research use only