[KO Validated] IDE Rabbit Polyclonal Antibody

Protein Background

Immunogen information



CAB1630

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

118kDa

Calculated MW:

54kDa/117kDa

Applications:

WB IF

Reactivity:

Human, Mouse

Gene ID: 3416

verified.

Uniprot P14735

Antibody Information

Recommended dilutions: WB 1:500 - 1:2000 IF 1:10 -

1:100

Source:

Rabbit

Isotype:

Purification: Affinity purification

IgG

Synonyms:

IDE; INSULYSIN

Immunogen:

Recombinant fusion protein containing a sequence corresponding

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

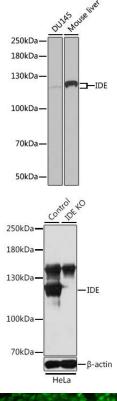
to amino acids 1-250 of human IDE (NP_004960.2).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

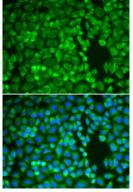
sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using IDE antibody (CAB1630) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020).

Western blot analysis of extracts from normal (control) and IDE knockout (KO) HeLa cells, using IDE antibody (CAB1630) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunofluorescence analysis of A549 cells using IDE antibody (CAB1630). Blue: DAPI for nuclear staining.