

[KO Validated] IDE Polyclonal Antibody

Catalog No.	A1630
Applications	WB, IF
Cross-reactivity	Human, Mouse

Category **Observed MW Calculated MW** **Polyclonal Antibodies** 118kDa 54kDa/117kDa

> WB 1:500 -1:2000

1:100

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human IDE (NP_004960.2).
Gene ID	3416
Swiss prot	P14735
Synonyms	IDE; INSULYSIN; insulin-degrading enzyme
Product information	
Course	Dabbit

Source	Nabbit
Isotype	lgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.



Recommended Dilutions

Western blot - [KO Validated] IDE Polyclonal Antibody (A1630)



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Immunofluorescence - [KO Validated] IDE Polyclonal Antibody (A1630)