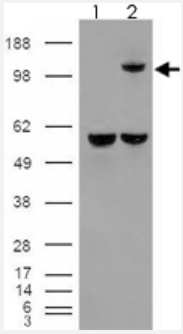
IDE polyclonal antibody

Catalog # PAB7317 Size 100 ug

Applications

Western Blot (Cell lysate)

IDE polyclonal antibody (Cat # PAB7317) (0.1 ug/mL) staining of K-562 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot (Transfected lysate)

293 overexpressing IDE and probed with IDE polyclonal antibody (Cat # PAB7317) (mock transfection in first lane), tested by Origene.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of IDE.
Immunogen	A synthetic peptide corresponding to human IDE.
Sequence	C-QQYNFDRDNTE
Host	Goat
Theoretical MW (kDa)	118, 54
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — IDE

Entrez GeneID	3416
Protein Accession#	NP_004960.1
Gene Name	IDE
Gene Alias	FLJ35968, INSULYSIN
Gene Description	insulin-degrading enzyme
Omim ID	146680
Gene Ontology	Hyperlink

Gene Summary	This gene may belong to a protease family responsible for intercellular peptide signalling. Though its role in the cellular processing of insulin has not yet been defined, insulin-degrading enzyme is t hought to be involved in the termination of the insulin response. [provided by RefSeq
Other Designations	OTTHUMP00000020097|insulinase|insulysin

Publication Reference

- Insulin degrading enzyme activity selectively decreases in the hippocampal formation of cases at high risk to develop Alzheimer's disease.

  Zhao Z, Xiang Z, Haroutunian V, Buxbaum JD, Stetka B, Pasinetti GM.

  Neurobiology of Aging 2007 Jun; 28(6):824.

  Application: WB-Ti, Human, Hippocampal formation, Occipital cortex

Disease

- Alzheimer disease
- Birth Weight
- Carcinoma
- Cardiovascular Diseases
- Cognition
- Cognition Disorders
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Down Syndrome
- Edema
- Genetic Predisposition to Disease
- Glucose Intolerance
- Glucose Metabolism Disorders
- Hyperglycemia

- Insulin Resistance
- Memory
- Metabolic Syndrome X
- Neoplasms
- Neuropsychological Tests
- Obesity
- Osteoporosis
- Parkinson disease
- Polycystic Ovary Syndrome
- Prostatic Neoplasms
- Task Performance and Analysis
- Weight Gain