



Anti-IDE monoclonal antibody, clone FQS7109(3) (DCABH-2783)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Insulin degrading enzyme / IDE
Antigen Description	Plays a role in the cellular breakdown of insulin, IAPP, glucagon, bradykinin, kallidin and other peptides, and thereby plays a role in intercellular peptide signaling. Degrades amyloid formed by APP and IAPP. May play a role in the degradation and clearance of naturally secreted amyloid beta-protein by neurons and microglia.
Immunogen	Synthetic peptide corresponding to residues in Human Insulin degrading enzyme/ IDE (UniProt ID: P14735).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS7109(3)
Purity	Tissue culture supernatant
Conjugate	Unconjugated
Applications	WB, IHC-P
Positive Control	HeLa, HepG2, A375, and K562 cell lysates, Human colon tissue
Format	Liquid
Size	40 µl
Buffer	pH: 7.40; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA

Storage

Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	IDE insulin-degrading enzyme [Homo sapiens]
Official Symbol	IDE
Synonyms	IDE; insulin-degrading enzyme; insulysin; insulinase; insulin protease; Abeta-degrading protease; INSULYSIN; FLJ35968;
Entrez Gene ID	3416
Protein Refseq	NP_001159418
UniProt ID	P14735
Chromosome Location	10q23-q25
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;
Function	ATP binding; ATPase activity; beta-amyloid binding; beta-endorphin binding; insulin binding; metal ion binding; metalloendopeptidase activity; nucleotide binding; peptidase activity; protein binding; protein homodimerization activity; signal transducer ac