

Rabbit anti-Human Insulin Degrading Enzyme Polyclonal Antibody | anti-IDE antibody

Polyclonal Antibody to Insulin Degrading Enzyme (IDE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20873	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Insulin Degrading Enzyme; Polyclonal Antibody; Polyclonal Antibody to Insulin Degrading Enzyme (IDE); anti-IDE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against IDE. It has been selected for its ability to recognize IDE in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQQMGRGSE F-AHTKPLLP SQLVRYREVQ LPDRGWVFYQ QRNEVHNNCG IEIYYQTDMQ STSENMFLEL FCQIIEPCF NTLRTKEQLG YIVFSGPRRA NGIQGLRFII QSEKPPHYLE SRVEAFLITM EKSIEDMTEE AFQKHIQALA IRRLDKPKKL SAECAKYWGE IISQQYNFDR DNTEVAYLKT LTKEDIIFKY KEMLAVDAPR
Sequence Length	1019
Applicable Applications for anti-IDE antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 1-5ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Fragment	IDE (Ala753~Pro973)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant IDE (Ala753~Pro973) expressed in E. Coli.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type HepG2 cell lysate; Lane 2: IDE knockout HepG2 cell lysate; Predicted MW: 118,54kd Observed MW: 100kd Primary Ab: 1ug/ml Rabbit Anti-Human IDE Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Human HepG2 Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-IDE antibody	Knock-Out Validation Antibody
---	-------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	260099676
NCBI GeneID	3416
NCBI Accession #	NP_001159418.1
NCBI GenBank Nucleotide #	NM_001165946.1
UniProt Accession #	P14735; Q5T5N2; B2R721; B7ZAU2; D3DR35
Molecular Weight	54,240 Da
NCBI Official Full Name	insulin-degrading enzyme isoform 2
NCBI Official Synonym Full Names	insulin degrading enzyme
NCBI Official Symbol	IDE
NCBI Official Synonym Symbols	INSULYSIN
NCBI Protein Information	insulin-degrading enzyme
UniProt Protein Name	Insulin-degrading enzyme
UniProt Gene Name	IDE
UniProt Synonym Gene Names	Insulinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.