

Rabbit IDE Polyclonal Antibody | anti-IDE antibody

IDE Antibody (Center)

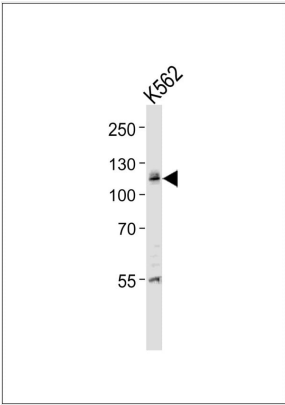
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288890	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

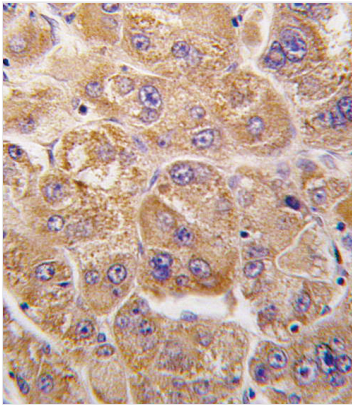
IDE; Polyclonal Antibody; IDE Antibody (Center); Insulin-degrading enzyme; Abeta-degrading protease; Insulin protease; Insulinase; Insulysin; anti-IDE antibody

PRODUCT SPECIFICATIONS

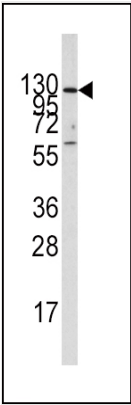
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IDE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 406-435 amino acids from the Central region of human IDE.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	406-435
Sequence Length	464
Applicable Applications for anti-IDE antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of lysate from K562 cell line, using IDE Antibody (Center). AAA288890 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with IDE antibody (Center) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-IDE Antibody (Center) in A375 cell line lysates (35ug/lane). IDE (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-IDE antibody	IDE belongs 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 thought to be involved in the termination of the insulin response.
Product Categories/Family for anti-IDE antibody	Cardiovascular; Cell Biology; Metabolism; Signal Transduction
References	Vepsalainen,S.,J. Med. Genet. 44 (9), 606-608 (2007) Kim,M.,J. Biol. Chem. 282 (11), 7825-7832 (2007) Radulescu,R.T.,Int. J. Oncol. 30 (1), 73-80 (2007) Li,Q.,Cell 127 (2), 305-316 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	260099676
NCBI GeneID	3416
NCBI Accession #	NP_001159418.1; NP_004960.2
NCBI GenBank Nucleotide #	NM_001165946.1
UniProt Accession #	P14735; Q5T5N2; B2R721; B7ZAU2; D3DR35

Molecular Weight	117968
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
UniProt Entry Name	IDE_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ide-antibody-immunohistochemistry-western-blot-elisa/288890>