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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07898 - Goat Anti-Insulysin / Insulinase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: insulinase, insulysin, insulin-degrading enzyme, FLJ35968, INSULYSIN, IDE

Official Symbol: IDE

Accession Number(s): NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309723.1; NP_001309724.1; NP_001309726.1

Human GeneID(s): [3416](#)

Important Comments: This antibody is expected to recognize all reported isoforms (NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309723.1; NP_001309724.1; NP_001309726.1). Reported variants represent identical protein: NP_001309725.1, NP_001309724.1

Immunogen

Peptide with sequence C-QQYNFDRDNTE, from the internal region of the protein sequence according to NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309723.1; NP_001309724.1; NP_001309726.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 110-120kDa band observed in lysates of cell line K562 (calculated MW of 118kDa according to NP_004960.1). In transfected HEK293 transiently expressing Insulysin a band of approx. 110kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Lung shows cytoplasm staining of alveolar macrophages. Recommended concentration, 3-6µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog

EB07898 (0.1µg/ml) staining of K562 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

HEK293 overexpressing Insulysin (RC220700) and probed with EB07898 (mock transfection in first lane), tested
by Origene.

EB07898 (2.5µg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH
6, AP-staining.