

International Office

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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): <u>3416</u> Important Comments: This antibody is expected to recognize all reported isoforms (NP_004960.2; NP_001159418.1; NP_001309722.1; NP_001309723.1; NP_001200724.1; NP_001200726.1) Reported variants represent identical protein:

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_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). Recommended concentration: $0.1-0.3\mu$ g/ml. Primary incubation was 1 hour.

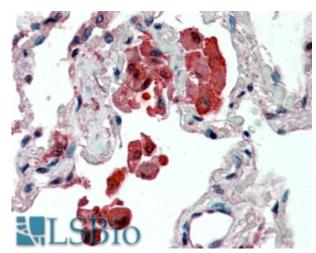
IHC: Paraffin embedded Human Lung and Breast. Recommended concentration: 2.5µg/ml.

Species Reactivity

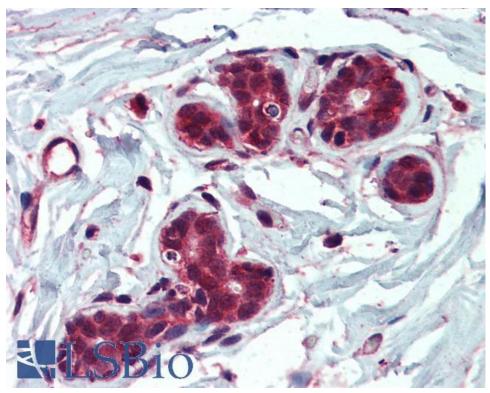
Tested: Human Expected from sequence similarity: Human, Dog

 250kDa 150kDa 100kDa 75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

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



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



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