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

EB12387 - Goat Anti-calreticulin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CALR, calreticulin, CRT, RO, SSA, cC1qR, CRP55, ERp60, HACBP, Sicca syndrome antigen A (autoantigen Ro, calreticulin), calregulin, endoplasmic reticulum resident protein 60, grp60

Official Symbol: CALR

Accession Number(s): NP_004334.1

Human GeneID(s): [811](#)

Non-Human GeneID(s): 12317 (mouse), 64202 (rat)

Immunogen

Peptide with sequence C-HPEIDNPEYSPDPS, from the internal region of the protein sequence according to NP_004334.1.

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 1:128000.

Western blot: Approx 60kDa band observed in Human and Rat Lung lysates (calculated MW of 48.1kDa according to NP_004334.1). These bands correspond to earlier findings in literature with different antibodies (Conway et al, J Biol Chem. 1995 Jul 14;270(28):17011-6. PMID: 7622522). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on HEK293 cells, PMID: 37371965.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

Specific References

This antibody has been successfully used in WB on Human:

Cláudio F Costa, Celien Lismont, Serhii Chorny, Hongli Li, Mohamed A F Hussein, Hans R Waterham, Marc Fransen

Functional Analysis of GSTK1 in Peroxisomal Redox Homeostasis in HEK-293 Cells. Antioxidants (Basel). 2023 Jun 7;12(6):1236.

PMID: 37371965

This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdigen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies



EB12387 (0.01 $\mu\text{g/ml}$) staining of Human (A) and Rat (B) Lung lysates (35 μg protein in RIPA buffer). Detected by chemiluminescence.