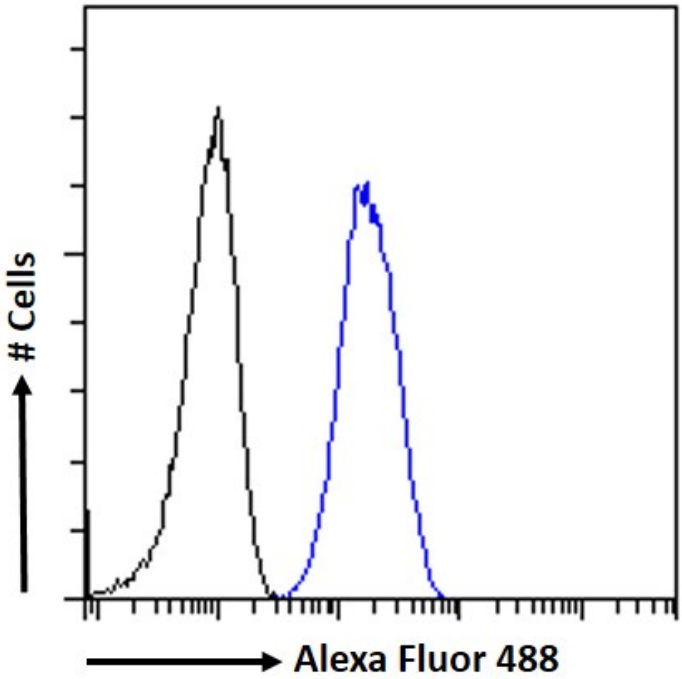
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# GOAT ANTI-CALRETICULIN ANTIBODY

**SKU:** EB12387




## SPECIFICATIONS

| | |
|---|---|
| **Formulation** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| **Unit Size** | 100 µg |
| **Storage Instructions** | Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Synonym / Alias Names** | grp60\|endoplasmic reticulum resident protein 60\|calregulin\|calreticulin)\|Sicca syndrome antigen A (autoantigen Ro\|HACBP\|ERp60\|CRP55\|cC1qR\|SSA\|RO\|CRT\|calreticulin\|CALR |
| **Usage Summary** | Immunofluorescence: Strong expression of the protein seen in HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml. |
| **Accession ID** | NP_004334.1 |
| **Blocking Peptide** | EBP12387 |

| | |
|---|---|
| **Immunogen** | Peptide with sequence C-HPEIDNPEYSPDPS, from the internal region of the protein sequence according to NP_004334.1. |
| **Peptide Sequence** | C-HPEIDNPEYSPDPS |
| **Purification Method** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Shipping Instructions** | Refrigerated |
| **Predicted Species** | Human |
| **Reactive Species** | Human |
| **Human Gene ID** | 811 |
| **Mouse Gene ID** | 12317 |
| **Rat Gene ID** | 64202 |
| **Product Grade** | https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png |
| **ELISA Detection Limit** | Antibody detection limit dilution 1:128000. |
| **Western Blot** | Approx. 55-60kDa band observed in lysates of cell line HeLa, and approx. 60kDa in lysates of cell lines HEK293 and MCF7, and in Human Lung lysates (calculated MW of 48.1kDa according to NP_004334.1). These molecular weights are observed by other commercial sources. Recommended concentration: 0.01-0.5µg/ml. Primary incubation 1 hour at room temperature. Additional validation: This antibody has been successfully used in the following papers: Sikorski K. et al. (2018), PMID: 30377371; Costa. C. F. et al. (2023), PMID: 37371965. |
| **Application Type** | Pep-ELISA, WB, IF, FC |

# SELECTED REFERENCES

[{"pmid": 37371965, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Functional Analysis of GSTK1 in Peroxisomal Redox Homeostasis in HEK-293 Cells.", "author": "Cláudio F Costa, Celien Lismont, Serhii Chornyi, Hongli Li, Mohamed A F Hussein, Hans R Waterham, Marc Fransen", "journal": "Antioxidants (Basel). 2023 Jun 7;12(6):1236."}, {"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, 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", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

# DOCUMENTS

- Data Sheet

# GALLERY IMAGES

