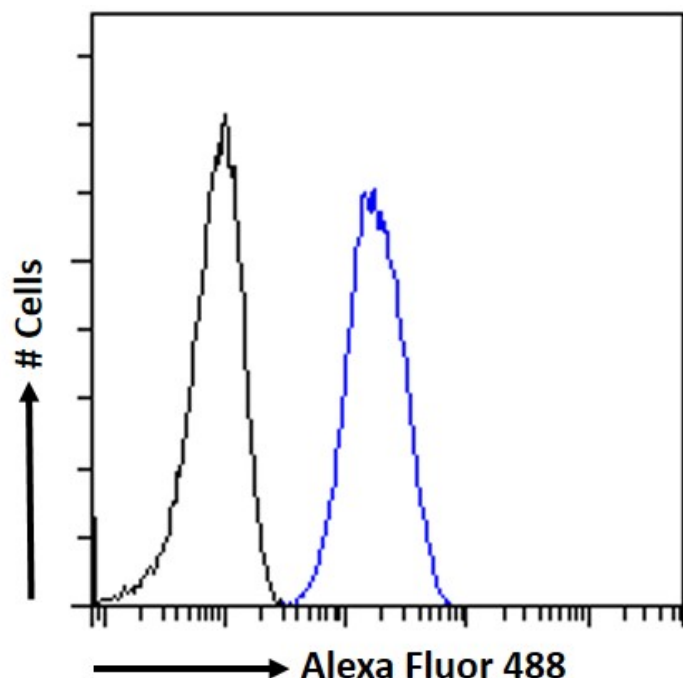


GOAT ANTI-CALRETICULIN ANTIBODY

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. 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.
Western Blot	<p><p>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.</p></p>
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 Chorny, 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 Inngjerd, 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

