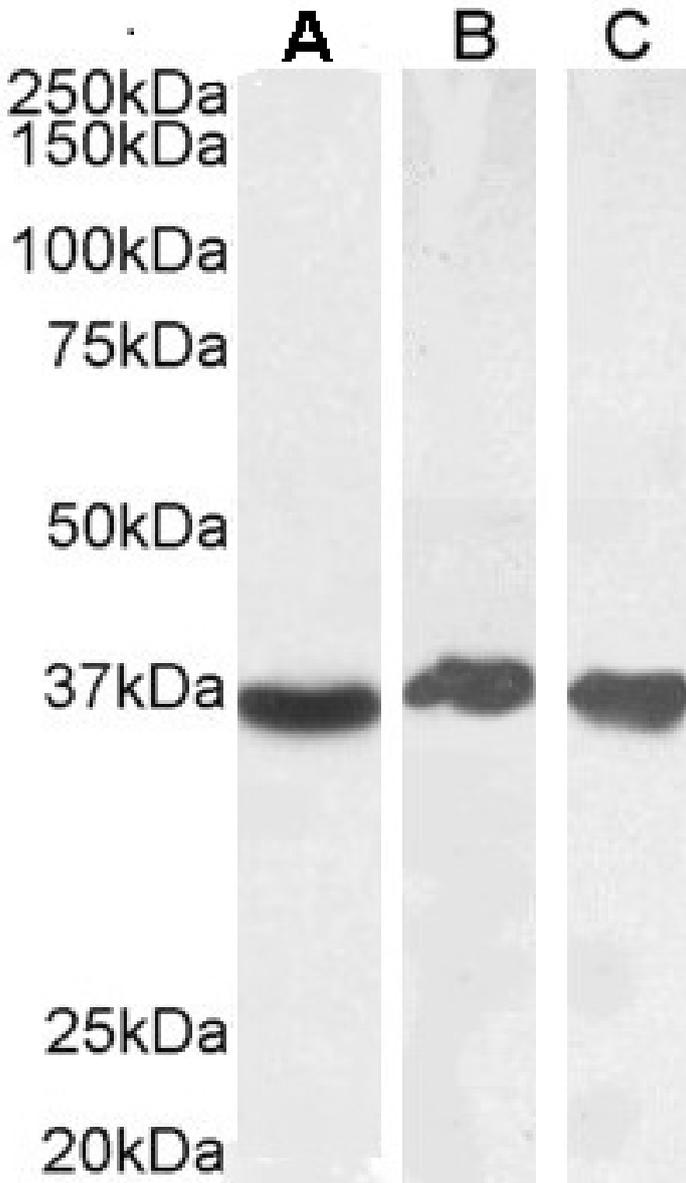




GOAT ANTI-GAPDH (INTERNAL) ANTIBODY

SKU: EB07069





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	peptidyl-cysteine S-nitrosylase GAPDH HEL-S-162eP epididymis secretory sperm binding protein Li 162eP glyceraldehyde 3-phosphate dehydrogenase aging-associated gene 9
Names	protein MGC88685 GAPD G3PD HGNC:4141 glyceraldehyde-3-phosphate dehydrogenase GAPDH
Usage	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U251 and HeLa cells. Recommended concentration: 5-10µg/ml.
Summary	
Accession ID	NP_002037.2; NP_001243728.1
Blocking Peptide	EBP07069
Immunogen	Peptide with sequence C-GVNHEKYDNSLK, from the internal region of the protein sequence according to NP_002037.2; NP_001243728.1.
Product Comments	This antibody is expected to recognize both reported isoforms (NP_002037.2; NP_001243728.1). Reported variants represent identical protein: NP_001276674.1, NP_002037.2, NP_001276675.1. GAPDH is constitutively expressed in almost all tissues at high levels. It is therefore a useful marker when a loading/positive control is required in western blotting.
Peptide Sequence	C-GVNHEKYDNSLK
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, Mouse, Rat, Dog
Reactive Species	Human, Mouse, Rat
Human Gene ID	2597
Mouse Gene ID	14433
Rat Gene ID	24383
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	In paraffin embedded Human Liver shows textured cytoplasm staining in hepatocytes. Recommended concentration: 2µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:16000.
Western Blot	Approx 37kDa band observed in Human Liver, Testis and Tonsil, and in Mouse Liver and Rat Heart lysates, and in cell lysates of HeLa and NIH3T3 (calculated MW of 36.1kDa according to Human NP_002037.2, Mouse NP_032110.1, and Rat NP_058704.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature. This product has been successfully used in WB on Human: PMID: 29953622, PMID: 29158223 and https://doi.org/10.1101/2022.01.21.477266 , and in WB on Rat: PMID: 31087788 and 34584880.
Application Type	Pep-ELISA, WB, IHC, IF



SELECTED REFERENCES

[{"pmid": 29158223, "intro": "**This antibody has been successfully used in Western blot on Human:**", "title": "TGF- β induces oncofetal fibronectin that, in turn, modulates TGF- β superfamily signaling in endothelial cells", "author": "Elisa Ventura, Michael Weller, Will Macnair, Katja Eschbach, Christian Beisel, Cinzia Cordazzo, Manfred Claassen, Luciano Zardi and Isabel Burghardt", "journal": "J Cell Sci. 2018 Jan 9;131(1)."}, {"pmid": 21738400, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "The expression of retinal cell markers in human retinal pigment epithelial cells and their augmentation by the synthetic retinoid fenretinide.", "author": "Carr AJ, Vugler AA, Yu L, Semo M, Coffey P, Moss SE, Greenwood J.", "journal": "Mol Vis. 2011;17:1701-15."}, {"pmid": 19204785, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "Molecular characterization and functional analysis of phagocytosis by human embryonic stem cell-derived RPE cells using a novel human retinal assay.", "author": "Carr AJ, Vugler A, Lawrence J, Chen LL, Ahmado A, Chen FK, Semo M, Gias C, da Cruz L, Moore HD, Walsh J, Coffey PJ.", "journal": "Mol Vis. 2009;15:283-95."}, {"pmid": 18926821, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "Elucidating the phenomenon of HESC-derived RPE: anatomy of cell genesis, expansion and retinal transplantation.", "author": "Vugler A, Carr AJ, Lawrence J, Chen LL, Burrell K, Wright A, Lundh P, Semo M, Ahmado A, Gias C, da Cruz L, Moore H, Andrews P, Walsh J, Coffey P.", "journal": "Exp Neurol. 2008 Dec;214(2):347-61."}, {"pmid": 29953622, "intro": "**This antibody has been successfully used in Western blot on Human:**", "title": "Epidermal growth factor receptor and ligand family expression and activity in glioblastoma.", "author": "von Achenbach C, Weller M, Szabo E.", "journal": "J Neurochem. 2018 Jun 28."}, {"pmid": 29480969, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Transcriptional control of O6-methylguanine DNA methyltransferase expression and temozolomide resistance in glioblastoma.", "author": "Happold C, Stojcheva N, Silginer M, Weiss T, Roth P, Reifenberger G, Weller M.", "journal": "J Neurochem. 2018 Mar;144(6):780-790"}, {"pmid": 31087788, "intro": "**This antibody has been successfully used in Western blot on Rat:**", "title": "miR-455p Overexpression Reduces Rat Lung Alveolar Type II Cell Proliferation by Downregulating STRA6", "author": "Zheng J, He Q, Tang H, Xia H", "journal": "Anat Rec (Hoboken). 2019 May 14."}, {"pmid": 30081309, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "Equine MX2 is a restriction factor of equine infectious anemia virus (EIAV)", "author": "Meier K, Jaguva Vasudevan AA, Zhang Z, Bähr A, Kochs G, Häussinger D, Münk C", "journal": "Virology. 2018 Oct;523:52-63. doi: 10.1016/j.virol.2018.07.024"}, {"pmid": 32371586, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Depatuzumab mafodotin (ABT-414)-induced glioblastoma cell death requires EGFR overexpression, but not EGFR^{Y1068}

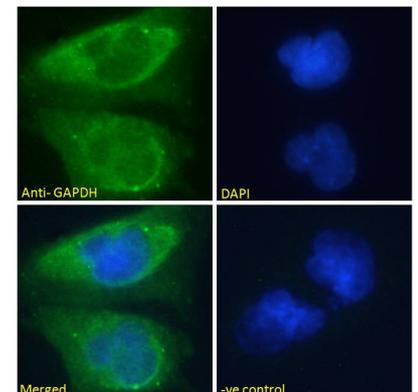
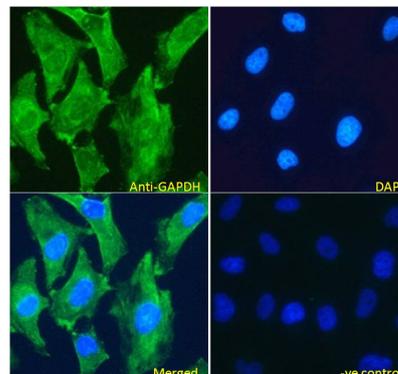
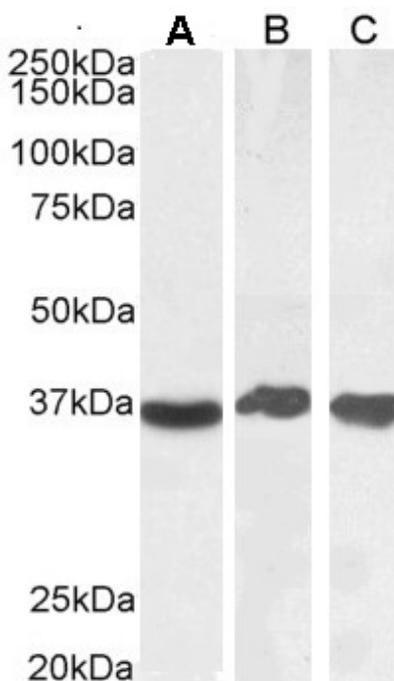


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DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES





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