

# Product Datasheet

## Peroxiredoxin 6 Antibody (3A10-2A11) - Azide and BSA Free H00009588-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00009588-M01**

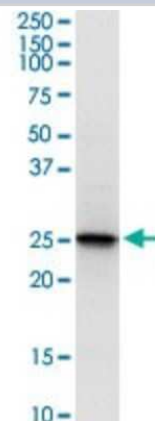
Peroxiredoxin 6 Antibody (3A10-2A11) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3A10-2A11
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	9588
<b>Gene Symbol</b>	PRDX6
<b>Species</b>	Human, Bovine
<b>Reactivity Notes</b>	Bovine reactivity reported in scientific literature (PMID: 26344128).
<b>Specificity/Sensitivity</b>	PRDX6 - peroxiredoxin 6
<b>Immunogen</b>	PRDX6 (AAH35857.1, 1 a.a. ~ 224 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGR AAKLAPEFAKRVNKLIALSIDSVEDHLAWSKDINAYNCEEPTEKLPFPIIDDRNRE LAILLGMLDPAEKDEKGMPTARVVFVFGPDKKLLKSILYPATTGRNFDEILRVVI SLQLTAEKRVATPVDWKDGDSVMVLPTIPEEEAKKLFPGVFTKELPSGKKYLR YTPQP
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Dot Blot
<b>Application Notes</b>	Antibody Reactive against Recombinant Protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. Use in Dot blot reported in scientific literature (PMID: 26344128).

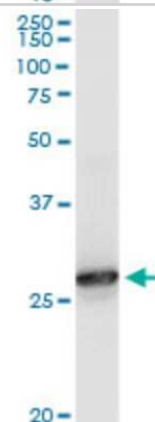


## Images

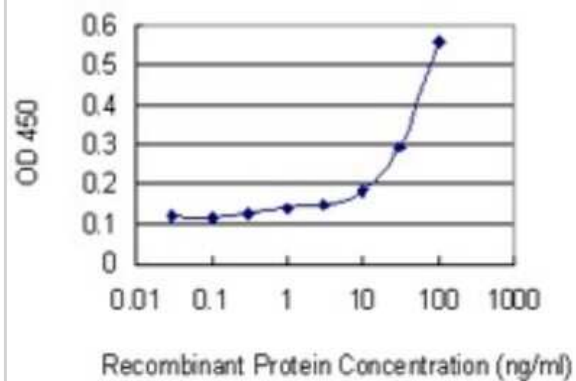
Western Blot: Peroxiredoxin 6 Antibody (3A10-2A11) [H00009588-M01] - PRDX6 monoclonal antibody (M01), clone S1. Analysis of PRDX6 expression in MCF-7.



Western Blot: Peroxiredoxin 6 Antibody (3A10-2A11) [H00009588-M01] - PRDX6 monoclonal antibody (M01), clone 3A10-2A11. Analysis of PRDX6 expression in human liver.



ELISA: Peroxiredoxin 6 Antibody (3A10-2A11) [H00009588-M01] - Detection limit for recombinant GST tagged PRDX6 is 3 ng/ml as a capture antibody.



## Publications

- Brigitte P, Arnaud C, Sebastien C et al. Relationships between the abundance of 29 proteins and several meat or carcass quality traits in two bovine muscles revealed by a combination of univariate and multivariate analyses. *J Proteomics*. 2022-12-16 [PMID: 36535620]
- Picard B, Gagaoua M, Al Jammam M, Bonnet M et al. Beef tenderness and intramuscular fat proteomic biomarkers: Effect of gender and rearing practices. *J Proteomics*. 2019-03-17 [PMID: 30894324]
- Gagaoua M, Bonnet M, Ellies-Oury MP et al. Reverse phase protein arrays for the identification/validation of biomarkers of beef texture and their use for early classification of carcasses. *Food Chem* 2018-01-10 [PMID: 29412918]
- Romanello KS, Teixeira KKL, Silva JPMO et al. Global analysis of erythroid cells redox status reveals the involvement of Prdx1 and Prdx2 in the severity of beta thalassemia. *PLoS One* 2018-12-06 [PMID: 30521599]
- Picard B, Gagaoua M, Al-Jammam M et al. Beef tenderness and intramuscular fat proteomic biomarkers: muscle type effect. *PeerJ* 2018-06-07 [PMID: 29892502]
- Gagaoua M, Bonnet M, De Koning L et al. Reverse Phase Protein array for the quantification and validation of protein biomarkers of beef qualities: The case of meat color from Charolais breed. *Meat Sci* 2018-07-05 [PMID: 30015160]
- Gagaoua M, Terlouw EMC, Picard B. et al. The study of protein biomarkers to understand the biochemical processes underlying beef color development in young bulls. *Meat Sci* 2017-07-18 [PMID: 28750331]
- Jia X, Veiseth-Kent E, Grove H et al. Peroxiredoxin-6--a potential protein marker for meat tenderness in bovine longissimus thoracis muscle. *J Anim Sci*. 2009-04-09 [PMID: 19359513]
- Taga H, Chilliard Y, Meunier B et al. Cellular and molecular large-scale features of fetal adipose tissue: is bovine perirenal adipose tissue brown?. *J Cell Physiol*. 2012-04-01 [PMID: 21678425]
- Guillemin N, Bonnet M, Jurie C et al. Functional analysis of beef tenderness. *J Proteomics* 2011-08-09 [PMID: 21855665]
- Picard B, Gagaoua M, Micol D et al. Inverse relationships between biomarkers and beef tenderness according to contractile and metabolic properties of the muscle. *J Agric Food Chem* 2014-08-24 [PMID: 25175407]
- Gagaoua M, Terlouw EMC, Boudjellal A, Picard B. Coherent correlation networks among protein biomarkers of beef tenderness: What they reveal. *Journal of proteomics* 2015-10-14 [PMID: 26344128] (WB, Cytometric Bead Assay Standard, Bovine)



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### **Products Related to H00009588-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-30188	Recombinant Human Peroxiredoxin 6 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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