

Product Datasheet

Peroxiredoxin 5 Antibody [Unconjugated] AF5724-SP

Unit Size: 25 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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AF5724-SP**Peroxiredoxin 5 Antibody [Unconjugated]**

Product Information	
Unit Size	25 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.2 mg/mL in sterile PBS.
Isotype	IgG
Conjugate	Unconjugated
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

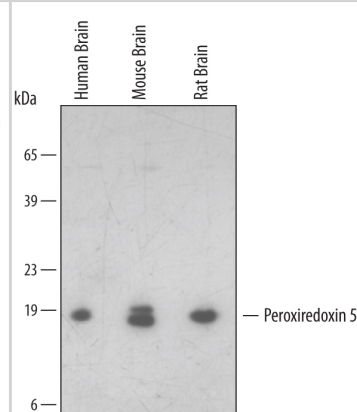
Product Description	
Host	Goat
Gene ID	25824
Gene Symbol	PRDX5
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects human, mouse and rat Peroxiredoxin 5 in Western blots.
Immunogen	<i>E. coli</i> -derived recombinant mouse Peroxiredoxin 5 Met1-Leu210 Accession # P99029
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.

Product Application Details	
Applications	Western Blot, Immunocytochemistry
Recommended Dilutions	Western Blot 1 ug/mL, Immunocytochemistry 5-15 ug/mL

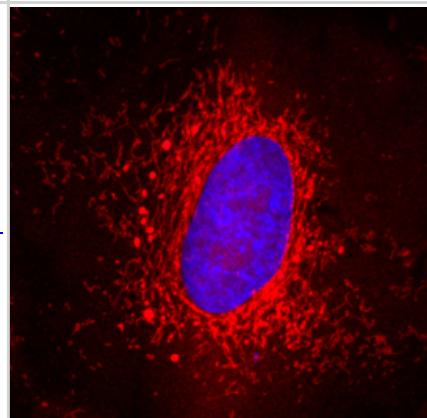


Images

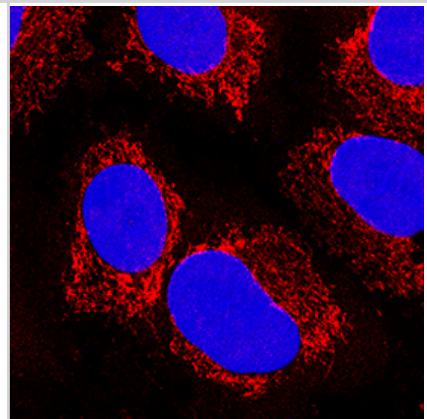
Western blot shows lysates of human, mouse, and rat brain tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat Peroxiredoxin 5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5724) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [HAF109](#)). A specific band was detected for Peroxiredoxin 5 at approximately 17 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 2](#).



Peroxiredoxin 5 was detected in immersion fixed A549 human lung carcinoma cell line using Goat Anti-Human/Mouse/Rat Peroxiredoxin 5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5724) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # [NL001](#)) and counterstained with DAPI (blue). Specific staining was localized to mitochondria. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).



Peroxiredoxin 5 was detected in immersion fixed A549 human lung carcinoma cell line using Goat Anti-Human/Mouse/Rat Peroxiredoxin 5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5724) at 15 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # [NL001](#)) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm (mitochondria). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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