

Product datasheet

Anti-Peroxiredoxin 6 antibody ab59543

★★★★★ 10 Abreviews 14 References 7 图像

概述

产品名称	Anti-Peroxiredoxin 6抗体
描述	兔多克隆抗体to Peroxiredoxin 6
宿主	Rabbit
特异性	ab59543 reacts with Peroxiredoxin 6.
经测试应用	适用于: Flow Cyt, WB, ELISA, IHC-Fr, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant full length protein (Rat) Peroxiredoxin 6
阳性对照	Rat and mouse lung and human brain.
常规说明	Staining pattern: cytoplasm of epithelial cells in the rat and mouse lung and rat and human brain astrocytes. Stains human brain astrocytes in Parkinson's and Alzheimer's disease and the central core of some Lewy bodies in Parkinson's disease and dementia with Lewy bodies.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Thimerosal (merthiolate) Constituents: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab59543** in the following tested applications.

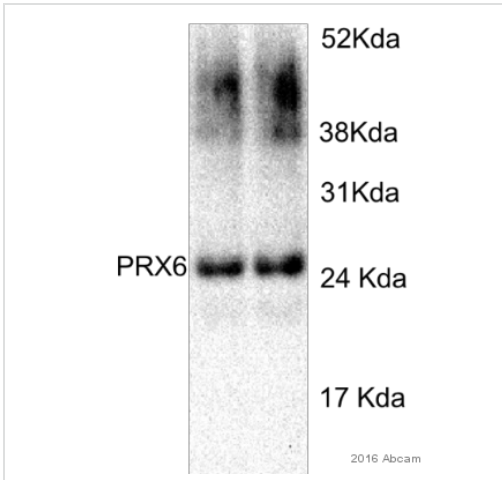
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt	★★★★★	1/200. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★	1/1000 - 1/4000. Predicted molecular weight: 25 kDa.
ELISA		1/1000 - 1/4000.
IHC-Fr		1/500 - 1/1000.
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★☆	1/50 - 1/100.

靶标

功能	Involved in redox regulation of the cell. Can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.
序列相似性	Belongs to the ahpC/TSA family. Rehydrin subfamily. Contains 1 thioredoxin domain.
细胞定位	Cytoplasm. Lysosome. Cytoplasmic vesicle. Also found in lung secretory organelles.

图片



Western blot - Anti-Peroxiredoxin 6 antibody (ab59543)

This image is courtesy of an anonymous Abreview.

Lane 1 : Anti-Peroxiredoxin 6 antibody (ab59543)

Lane 2 : Anti-Peroxiredoxin 6 antibody (ab59543) at 1/1000 dilution

All lanes : Mouse skeletal muscle whole tissue lysates

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit polyclonal IgG at 1/4000 dilution

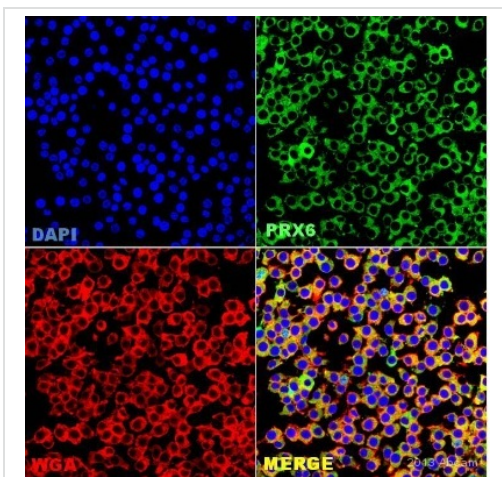
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 25 kDa

Additional bands at: 25 kDa, 38, 45 kDa (possible non-specific binding). We are unsure as to the identity of these extra bands.

Exposure time: 5 minutes



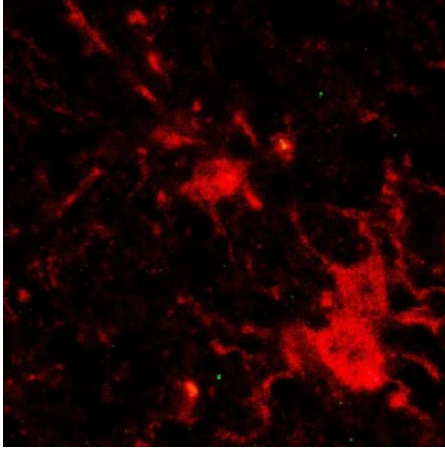
Immunocytochemistry/ Immunofluorescence - Anti-Peroxiredoxin 6 antibody (ab59543)

This image is courtesy of an Abreview submitted by Mahesh Shivananjappa

ab59543 staining Peroxiredoxin 6 in RAW264.7 cells from Mouse macrophages by ICC/IF

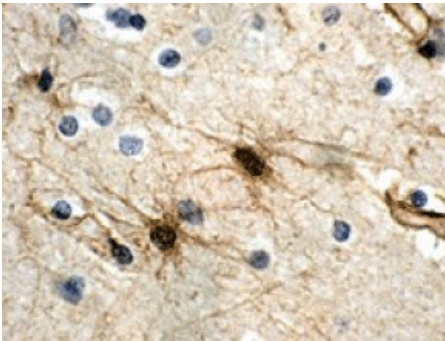
(Immunocytochemistry/immunofluorescence).

Cells were fixed with paraformaldehyde, permeabilized with Triton 0.1% + 2% BSA in PBS and blocked with 2% BSA for 60 minutes at 24°C. Samples were incubated with primary antibody (1/50 in PBS + 2% BSA) for 16 hours at 4°C. An Alexa Fluor®488-conjugated Goat anti-rabbit polyclonal(1/500) was used as the secondary antibody.



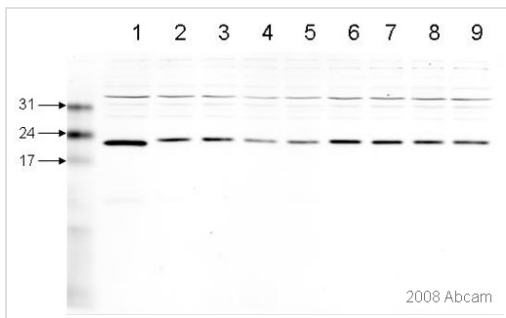
ab59543 at 1/100 dilution staining
Peroxisredoxin 6 in astrocytes in Parkinson's
disease by Immunohistochemistry. Secondary
antibody anti-rabbit IgG conjugated to Cy3
(1/100).

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Peroxisredoxin 6 antibody
(ab59543)



ab59543 at 1/1000 dilution staining
Peroxisredoxin 6 in astrocytes in Parkinson's
disease by IHC-P. Secondary antibody
Donkey anti-rabbit conjugated to biotin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Peroxisredoxin 6 antibody
(ab59543)



Western blot - Anti-Peroxiredoxin 6 antibody

(ab59543)

This image is courtesy of an Abreview submitted by Dr Martin Broadstock

All lanes : Anti-Peroxiredoxin 6 antibody

(ab59543) at 1/2500 dilution

Lane 1 : Wild-type rat cortex

Lanes 2-5 : Transgenic (APP/PS1) male mouse cortical lysate

Lanes 6-9 : Wild-type male mouse cortical lysate

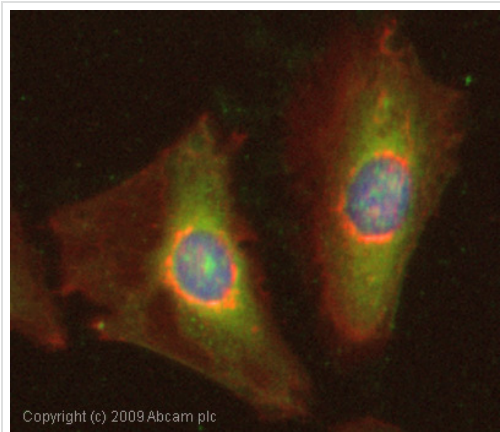
Secondary

All lanes : Alexa Fluor 680-conjugated goat anti rabbit IgG polyclonal antibody

Predicted band size: 25 kDa

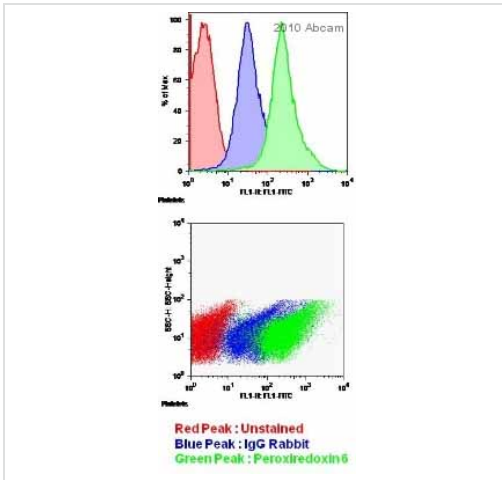
Observed band size: ~25 kDa

Western blot showing detection of Peroxiredoxin 6 in mouse and rat cortical lysates by ab59543.



Immunocytochemistry/ Immunofluorescence - Anti-Peroxiredoxin 6 antibody (ab59543)

ICC/IF image of ab59543 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab59543, 1/1000 dilution) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Flow Cytometry - Anti-Peroxiredoxin 6 antibody
(ab59543)

Image courtesy of an anonymous Abreview.

ab59543 staining Peroxiredoxin 6 in Human platelet cells by Flow cytometry.

Cells were fixed in paraformaldehyde and permeabilized using 0.1% Triton-X-100 in 2% BSA for 15 minutes. Primary antibody used at a 1/200 dilution and incubated for 16 hours at 4°C. The secondary antibody used was an Alexa Fluor®488 conjugated chicken anti-rabbit IgG (H+L) at a 1/500 dilution.

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