

Anti-Peroxiredoxin 6 antibody ab59543

★★★★★ [10 Abreviews](#) [31 References](#) [4 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
经测试应用	适用于: IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to Rat Peroxiredoxin 6. Database link: P30041
阳性对照	ICC: Mouse macrophages, HeLa cells. IHC-P: Astrocytes.
常规说明	<p>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.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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) Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab59543于以下的经测试应用

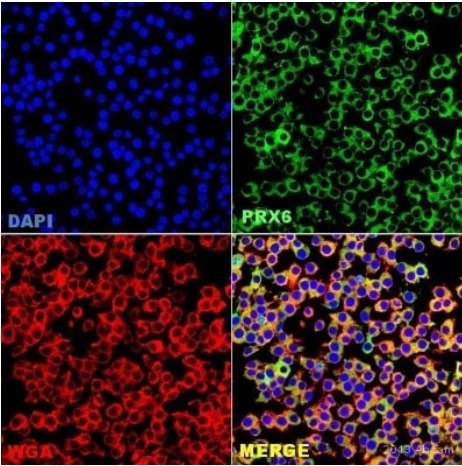
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	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.

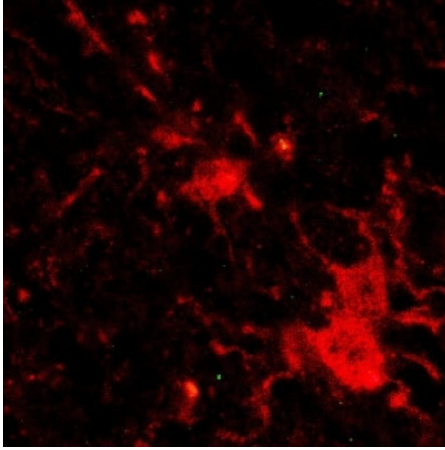
图片



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

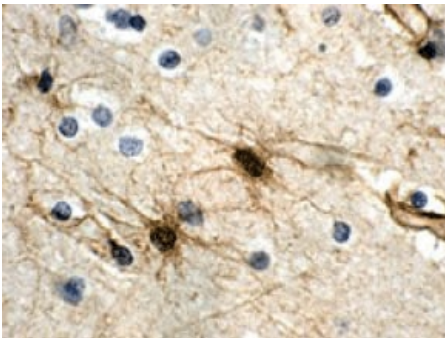
This image is courtesy of an Abreview submitted by Mahesh Shivananjappa

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.



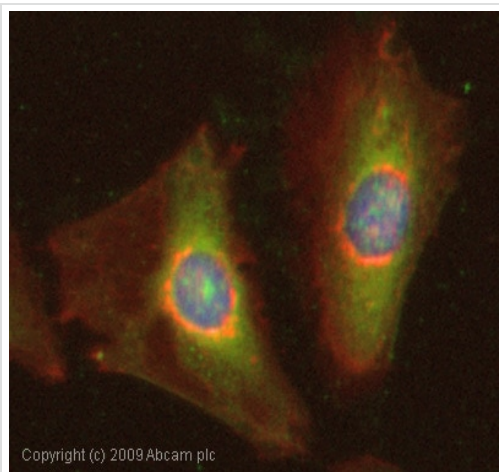
ab59543 at 1/100 dilution staining Peroxiredoxin 6 in astrocytes in Parkinson's disease by Immunohistochemistry. Secondary antibody anti-rabbit IgG conjugated to Cy3 (1/100).

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



ab59543 at 1/1000 dilution staining Peroxiredoxin 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-Peroxiredoxin 6 antibody (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.

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