

Anti-PRDX4 antibody (10-110) (STJ11100264)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

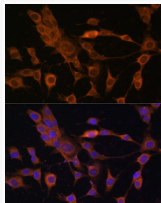
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 31kDa Observed Mw: 30kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

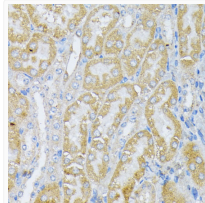
Gene ID	10549
Gene Symbol	PRDX4
UniProt ID	PRDX4_HUMAN
Immunogen Region	10-110
Immunogen Sequence	TTPDHGRHRLLLLPLLLFL LPAGAVQGWETEERPRTREE ECHFYAGGQVYPGEASRVSV ADHSLHLSKAKISKPAPYWE GTAVIDGFEKELKLTDRGK Y
Specificity	A synthetic peptide corresponding to a sequence within amino acids 10-110 of human Peroxiredoxin 4 (PRDX4) (NP_006397.1).

ADDITIONAL INFORMATION

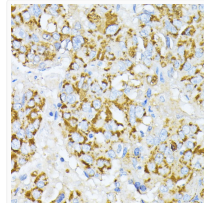
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



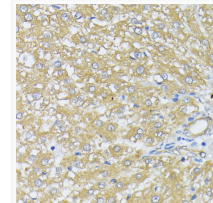
Immunofluorescence analysis of NIH/3T3 cells using Peroxiredoxin 4 (PRDX4) Rabbit polyclonal antibody (STJ11100264) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



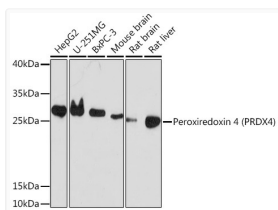
Immunohistochemistry analysis of Peroxiredoxin 4 (PRDX4) in paraffin-embedded mouse kidney using Peroxiredoxin 4 (PRDX4) Rabbit polyclonal antibody (STJ11100264) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Peroxiredoxin 4 (PRDX4) in paraffin-embedded human liver cancer using Peroxiredoxin 4 (PRDX4) Rabbit polyclonal antibody (STJ11100264) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Peroxiredoxin 4 (PRDX4) in paraffin-embedded rat liver using Peroxiredoxin 4 (PRDX4) Rabbit polyclonal antibody (STJ11100264) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) Rabbit polyclonal antibody (STJ11100264) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.