

Anti-PRDX5 antibody (53-214) (STJ28251)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

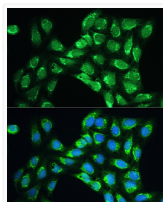
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 22kDa Observed Mw: 17kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

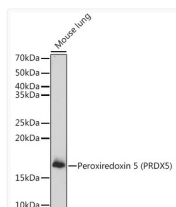
Gene ID	25824
Gene Symbol	PRDX5
UniProt ID	PRDX5_HUMAN
Immunogen Region	53-214
Immunogen Sequence	MAPIKVGDAIPAVEVFEGEP GNKVNLAELFKGKKGVLFV PGAFTPGCSKTHLPGFVEQA EALKAKGVQVACLVSNDVAF VTGEWGRAHKAEGKVRLAD PTGAFGKETDLLDDSLVSI FGNRRLKRFSMVVQDGVKA LNVEPDGTGLTCSLAPNIIS QL
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human Peroxiredoxin 5 (PRDX5) (NP_036226.2).

ADDITIONAL INFORMATION

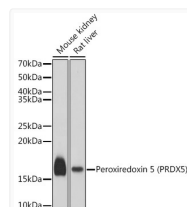
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



Immunofluorescence analysis of U2OS cells using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) Rabbit polyclonal antibody (STJ28251) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of Mouse lung, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (STJ28251) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



Western blot analysis of extracts of various cell lines, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (STJ28251) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.