

ARG59487 anti-Peroxiredoxin 6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Peroxiredoxin 6
Tested Reactivity	Hu, Pig
Predict Reactivity	Cow, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Peroxiredoxin 6
Species	Human
Immunogen	Synthetic peptide around the internal region of Human Peroxiredoxin 6. (C-TAEKRVATPVD, NP_004896.1)
Conjugation	Un-conjugated
Alternate Names	1-Cys; NSGPx; EC 3.1.1.-; Antioxidant protein 2; Non-selenium glutathione peroxidase; 24 kDa protein; Acidic calcium-independent phospholipase A2; AOP2; 1-Cys peroxiredoxin; aiPLA2; Peroxiredoxin-6; Liver 2D page spot 40; 1-Cys PRX; EC 1.11.1.15; EC 1.11.1.9; Red blood cells page spot 12; p29; PRX; HEL-S-128m

Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 26 kDa	

Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

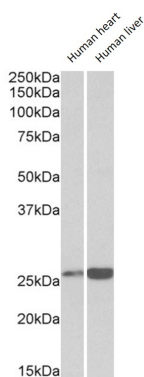
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

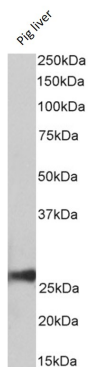
Gene Symbol	PRDX6
Gene Full Name	peroxiredoxin 6
Background	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	25 kDa
Cellular Localization	Cytoplasm. Lysosome. Note=Also found in lung secretory organelles (lamellar bodies). [UniProt]

Images



ARG59487 anti-Peroxiredoxin 6 antibody WB image

Western blot: 35 µg of Human heart and Human liver lysates (in RIPA buffer) stained with ARG59487 anti-Peroxiredoxin 6 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG59487 anti-Peroxiredoxin 6 antibody WB image

Western blot: 35 µg of Pig liver lysate (in RIPA buffer) stained with ARG59487 anti-Peroxiredoxin 6 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.