

Product datasheet

Anti-SUOX antibody ab88346

4 Images

Overview

Product name	Anti-SUOX antibody
Description	Mouse polyclonal to SUOX
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Full length Human protein
Positive control	WB: liver or HepG2 cell lysate. IHC: kidney tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab88346** in the following tested applications.

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

Application	Abreviews	Notes
WB		
IHC-P		

Application notes IHC-P: Use at a concentration of 3 µg/ml. Antigen retrieval is not essential but may optimise staining. Suggested method: place sample in 1X citrate buffer pH 6.0, microwave at 750W for

20 minutes, let sample cool down.

WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 60 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Pathway

Energy metabolism; sulfur metabolism.

Involvement in disease

Defects in SUOX are the cause of isolated sulfite oxidase deficiency (ISOD) [MIM:272300]; also known as sulfocysteinuria. ISOD is characterized by neurological abnormalities including multicystic leukoencephalopathy with brain atrophy. Patients often suffer from seizures. Often leads to death at an early age.

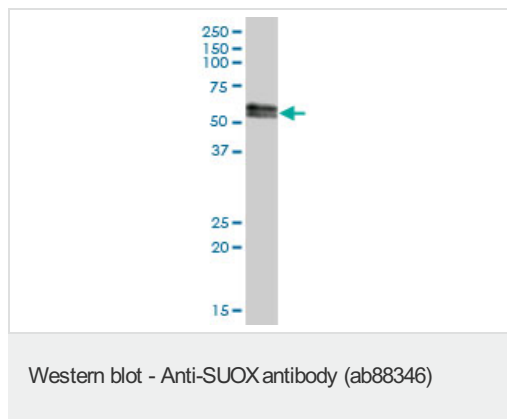
Sequence similarities

Contains 1 cytochrome b5 heme-binding domain.

Cellular localization

Mitochondrion intermembrane space.

Images



Anti-SUOX antibody (ab88346) at 1 µg/ml +

Human liver lysate at 25 µg

Secondary

Goat anti-Mouse IgG at 1/5000 dilution

Predicted band size: 60 kDa



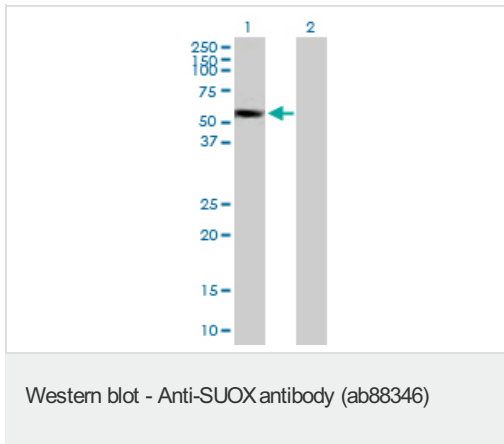
Anti-SUOX antibody (ab88346) at 1 µg/ml +

HepG2 cell lysate at 25 µg

Secondary

Goat anti-Mouse IgG at 1/5000 dilution

Predicted band size: 60 kDa



All lanes : Anti-SUOX antibody (ab88346) at 1 µg/ml

Lane 1 : SUOX transfected 293T cell lysate

Lane 2 : Untransfected 293T cell lysate

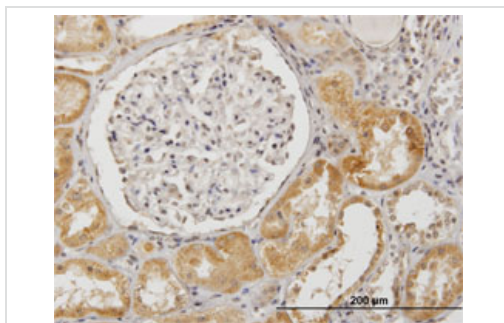
Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat anti-Mouse IgG at 1/5000 dilution

Predicted band size: 60 kDa

Observed band size: 54 kDa



Immunoperoxidase staining of SUOX in formalin-fixed, paraffin-embedded Human kidney using purified ab88346 at 3 µg/ml. Antigen retrieval was performed by placing sample in 1X citrate buffer pH 6.0 and microwaving at 750W for 20 minutes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUOX antibody (ab88346)

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