

## Product datasheet

# Anti-NFS1 antibody ab66272

1 Image

### Overview

<b>Product name</b>	Anti-NFS1 antibody
<b>Description</b>	Rabbit polyclonal to NFS1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Pig, Saccharomyces cerevisiae
<b>Immunogen</b>	Synthetic peptide: GIIDLKELEA AIQPDTSLSV VMTVNNEIGV KQPIAEIGRI CSSRKVYFHT, corresponding to internal sequence amino acids 182-231 of Human NFS1 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HepG2 cell lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab66272** in the following tested applications.

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

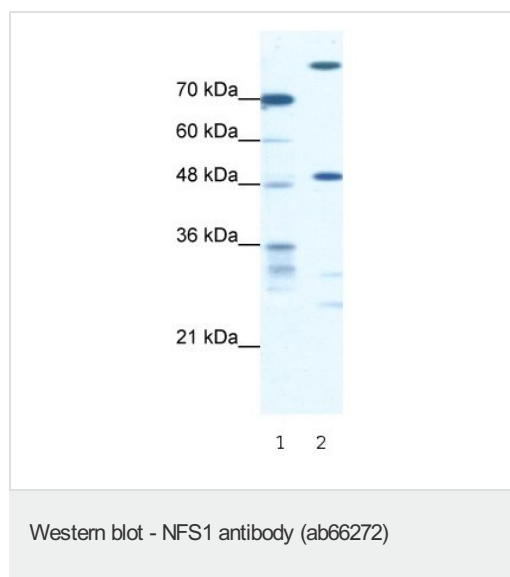
Application	Abreviews	Notes
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Application	Abreviews	Notes
WB		Use a concentration of 0.3125 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ELISA		Use at an assay dependent concentration. Titre using peptide based assay: 1:312500.

## Target

<b>Function</b>	Catalyzes the removal of elemental sulfur from cysteine to produce alanine. It supplies the inorganic sulfur for iron-sulfur (Fe-S) clusters. May be involved in the biosynthesis of molybdenum cofactor.
<b>Tissue specificity</b>	Predominantly expressed in heart and skeletal muscle. Also found in brain, liver and pancreas.
<b>Sequence similarities</b>	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. NifS/lscS subfamily.
<b>Cellular localization</b>	Cytoplasm. Nucleus and Mitochondrion.

## Images



**All lanes :** Anti-NFS1 antibody (ab66272) at 0.31 µg/ml (in 5% skim milk / PBS buffer)

**Lane 1 :** markers

**Lane 2 :** HepG2 cell lysate at 10 µg

### Secondary

**All lanes :** HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 50 kDa

**Observed band size:** 50 kDa

**Additional bands at:** >70 kDa, 25 kDa, 30 kDa. We are unsure as to the identity of these extra bands.

Gel concentration: 12%

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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