

## Product datasheet

# Anti-Staufen antibody ab50914

★★★★★ 2 Abreviews 2 References 3 Images

### Overview

<b>Product name</b>	Anti-Staufen antibody
<b>Description</b>	Rabbit polyclonal to Staufen
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig
<b>Immunogen</b>	Synthetic peptide: AKALRLQNE PLPERLEVNG RESEEEENLNK SEISQVFEIA LKRNLPVNFE, corresponding to amino acids 73-122 of Human Staufen <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HepG2 cell lysate; human intestinal tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid 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 **ab50914** in the following tested applications.

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

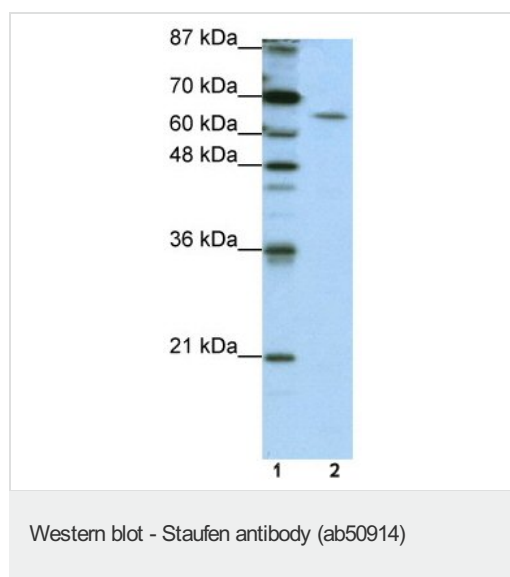
Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 1.25 µg/ml. Predicted molecular weight: 63 kDa. Can be blocked with <a href="#">Human Staufen peptide (ab111678)</a> . Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 - 5 µg/ml.

## Target

<b>Function</b>	Binds double-stranded RNA (regardless of the sequence) and tubulin. May play a role in specific positioning of mRNAs at given sites in the cell by cross-linking cytoskeletal and RNA components, and in stimulating their translation at the site.
<b>Tissue specificity</b>	Widely expressed. Expressed in brain, pancreas, heart, skeletal muscles, liver, lung, kidney and placenta.
<b>Sequence similarities</b>	Contains 3 DRBM (double-stranded RNA-binding) domains.
<b>Domain</b>	One of the DRDB could be involved in RER binding. The C-terminal contains the tubulin binding domain (TBD).
<b>Cellular localization</b>	Cytoplasm. Rough endoplasmic reticulum. Localizes exclusively with the rough reticulum endoplasmic.

## Images



**Lane 1** : Marker

**Lane 2** : Anti-Staufen antibody (ab50914) at 1.25 µg/ml

**Lane 1** : As above

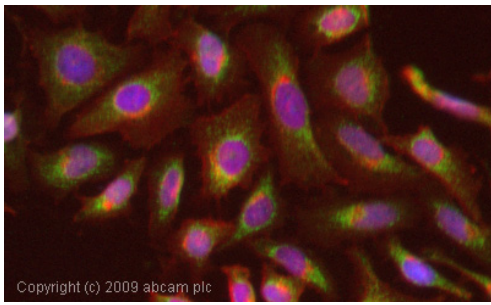
**Lane 2** : HepG2 cell lysate at 10 µg

**Secondary**

**Lane 2** : HRP conjugated anti-Rabbit IgG at 1/50000 dilution

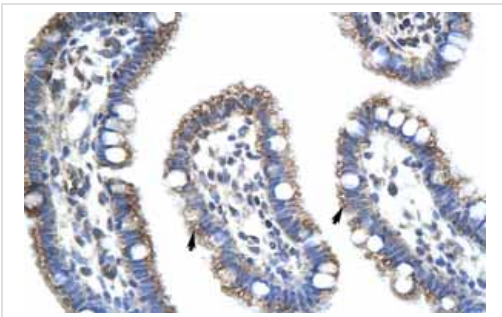
**Predicted band size** : 63 kDa

Gel concentration 12%



Immunocytochemistry/ Immunofluorescence-Staufen antibody(ab50914)

ICC/IF image of ab50914 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab50914, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-Staufen antibody(ab50914)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human intestine tissue labelling Staufen with ab50914 at 8µg/ml. Arrows indicate positive staining of epithelial cells of intestinal villi.

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