

## Product datasheet

# Anti-Septin 2 antibody ab88657

★★★★☆ 1 Abreviews 2 References 4 Images

### Overview

<b>Product name</b>	Anti-Septin 2 antibody
<b>Description</b>	Mouse polyclonal to Septin 2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length Human Septin 2 (NP_001008491, amino acids 1-361)
<b>Positive control</b>	Human spleen tissue lysate, Septin 2 transfected 293T cell lysate, HeLa cells. This antibody gave a positive result in IHC in the following FFPE tissue: Human breast fibroadenoma.

### 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: 1X PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab88657** 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 µg/ml. Predicted molecular weight: 41 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml.

## Target

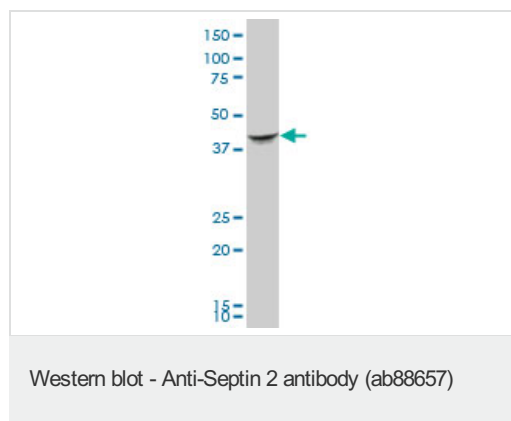
### Relevance

The septins are a family of cytoskeletal GTPases that play an essential role in cytokinesis in mammalian cells. Septin 2 (Nedd5) is a mammalian septin known to associate with actin based structures such as the contractile ring and stress fibers. It is involved in cytokinesis and may assemble into a multicomponent structure.

### Cellular localization

Cytoplasm. Cytoplasm; cytoskeleton. Cytoplasm; cytoskeleton; spindle. Chromosome; centromere; kinetochore. Cleavage furrow. Midbody. Cytoplasm; cell cortex. Cell projection; cilium membrane.

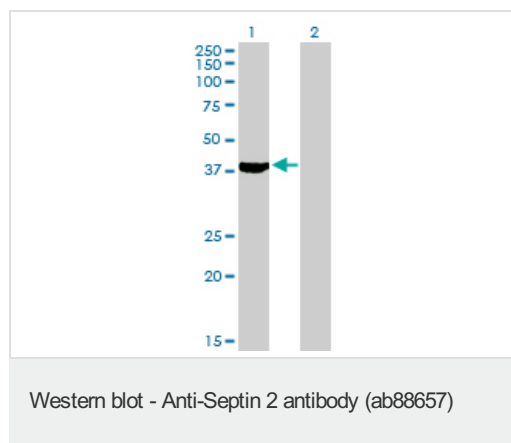
## Images



Anti-Septin 2 antibody (ab88657) at 1 µg/ml +  
human spleen tissue lysate at 50 µg

**Predicted band size:** 41 kDa

**Observed band size:** 41 kDa



**All lanes :** Anti-Septin 2 antibody (ab88657)  
at 1 µg/ml

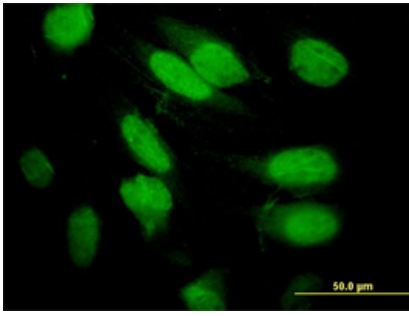
**Lane 1 :** SEPT2 transfected 293T cell lysate

**Lane 2 :** Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

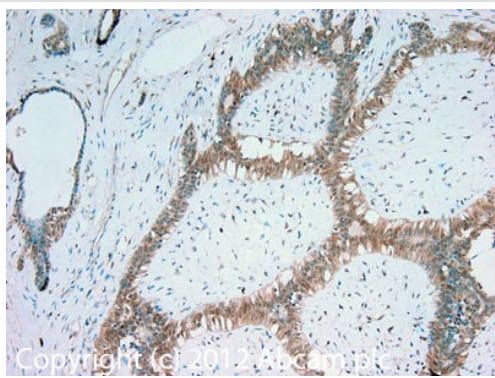
**Predicted band size:** 41 kDa

**Observed band size:** 38 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Septin 2 antibody (ab88657)

ab88657 at 10 $\mu$ g/ml staining SEPT2 in HeLa cells by Immunofluorescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Septin 2 antibody (ab88657)

IHC image of Septin 2 staining in Human breast fibroadenoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond<sup>TM</sup> system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab88657, 5 $\mu$ g/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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