

Product datasheet

Anti-Septin 2 antibody ab88657

★★★★☆ 1 Abreviews 2 References 4 Images

Overview

Product name	Anti-Septin 2 antibody
Description	Mouse polyclonal to Septin 2
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Full length Human Septin 2 (NP_001008491, amino acids 1-361)
Positive control	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

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 **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.
IHC-P		Use a concentration of 5 µg/ml.

Target

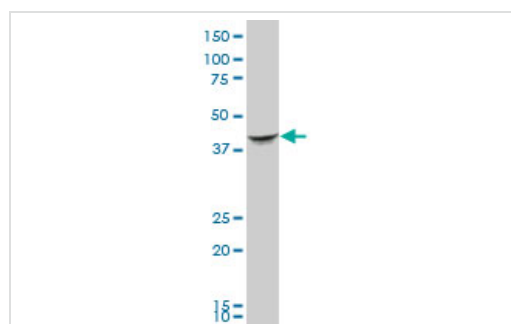
Relevance

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

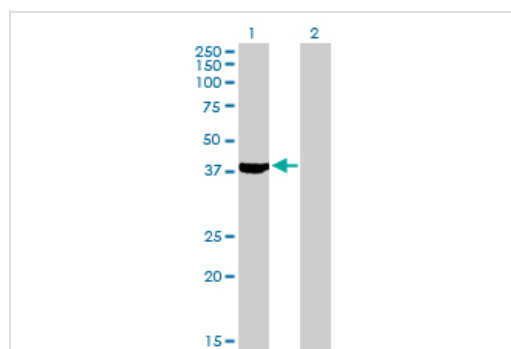


Western blot - Anti-Septin 2 antibody (ab88657)

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

Predicted band size : 41 kDa

Observed band size : 41 kDa



Western blot - Anti-Septin 2 antibody (ab88657)

All lanes : Anti-Septin 2 antibody (ab88657)
at 1 μ g/ml

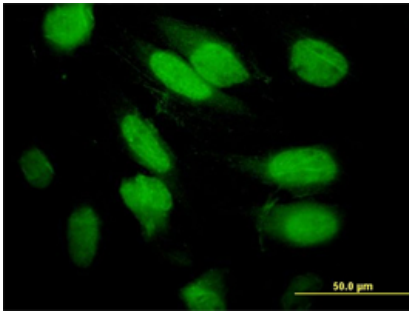
Lane 1 : SEPT2 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 μ g per lane.

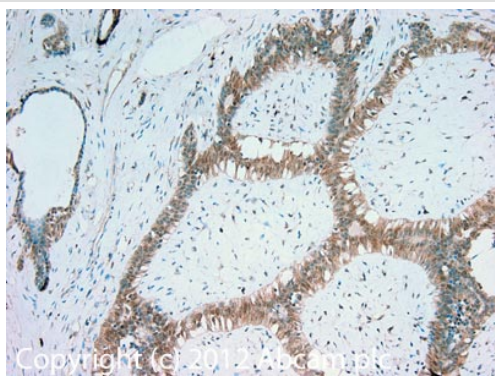
Predicted band size : 41 kDa

Observed band size : 38 kDa



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

ab88657 at 10 μ 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 BondTM 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 μ 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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