

# Human SNAP25 antibody

Catalog Number: ASN0720

## PRODUCT INFORMATION

**Catalog number**

ASN0720

**Clone No.**

4E11

**Product type**

Monoclonal Antibody

**UnitProt No.**

P60880

**NCBI Accession No.**

NP\_570824

**Alternative Names**

Synaptosomal-associated protein 25 isoform SNAP25B, SNAP25, SNAP, SNAP25, Synaptosomal-associated protein, His- tag, SNAP-25, Synaptosomal-associated 25 kDa protein, Super protein, SuP, Synaptosomal-associated protein 25, Synaptosomal-associated protein 25 isoform SNAP25B bA416N4.2, Bdr, dJ1068F16.2, FLJ23079, HGNC:11132, MGC105414, MGC139754, Resistance to inhibitors of cholinesterase 4 homolog, RIC 4, RIC4, SEC9, SNAP 25, SNAP-25B, SNP 25, sp, Synaptosomal associated 25 kDa protein, Synaptosomal associated protein, Synaptosomal Associated Protein 25, Synaptosomal associated protein 25kDa

## PRODUCT SPECIFICATION

**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human SNAP25 (1-206aa) purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, WB, ICC/IF

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## Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

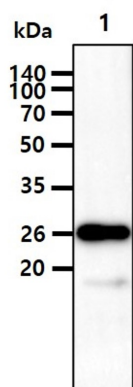
The synaptosomal-associated protein (SNAP25) is an essential component of the core complex that mediates presynaptic vesicle trafficking. Thus, SNAP25 is directly involved in the release of neurotransmitters.

### General References

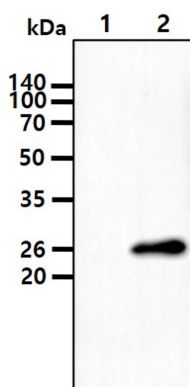
Schulz JR et al., (1998) J Biol Chem 273(38):24355-9.  
Tafoya LC et al., (2006) J Neurosci 26(30):7826-38.

## DATA

### Western blot analysis (WB)



The tissue lysate (30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SNAP25 antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: Mouse brain tissue lysate

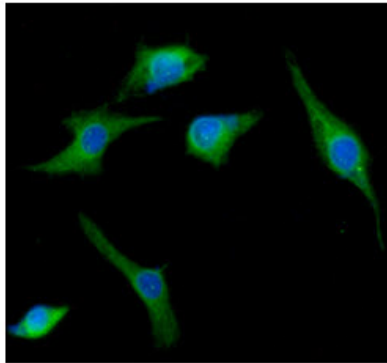


The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SNAP25 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: 293T cell lysate  
Lane 2.: SNAP25 Transfected 293T cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of SNAP25 in U87MG cells. The cell was stained with ASN0720 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).