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anti-SYN1 antibody (pSer9)

2 Images



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| Overview | |
|----------------------|---|
| Quantity: | 100 μL |
| Target: | SYN1 |
| Binding Specificity: | pSer9 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SYN1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |
| Product Details | |
| Immunogen: | Peptide sequence around phosphorylation site of serine 9 (R-L-S(p)-D-S) derived from Human SYN1/synapsin. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi |
| Target Details | |
| Target: | SYN1 |
| Alternative Name: | SYN1 (SYN1 Products) |

Target Details

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Background: Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level

Diviya Sinha, et,al. (2005) Am J Physiol Renal Physiol, 288: F703 - F713.

Franco Onofri, et,al. (2000) J. Biol. Chem, 275: 29857.

Dario Bonanomi, et,al. (2005) J. Neurosci, 25: 7299 - 7308.

Hiroshi Tokumitsu, et,al. (2005) J. Biol. Chem, 280: 35108 - 35118.

Aliases: Brain protein 4.1 antibody, SYN 1 antibody, SYN 1a antibody, SYN 1b antibody, SYN 1 antibody, SYN1 antibody, SYN1 antibody, SYN1a antibody, SYN1b antibody, Synapsin 1 antibody, SYNI antibody

UniProt:

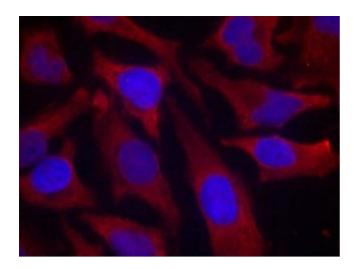
P17600

Application Details

| Application Notes: | WB:1:500-1:1000, IF:1:100-1:200, |
|--------------------|----------------------------------|
| Restrictions: | For Research Use only |

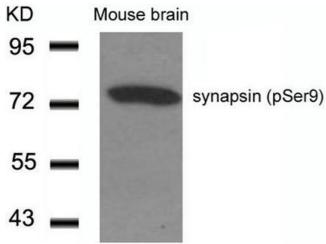
Handling

| Format: | Liquid | |
|--------------------|---|--|
| Buffer: | Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. | |
| Storage: | -20 °C,-80 °C | |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. | |



Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed Hela cells using synapsin(Phospho-Ser9) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from Mouse Brain tissue using synapsin(Phospho-Ser9) Antibody.