bs-5628R

[Primary Antibody]

phospho-Alpha synuclein (Ser129) Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 6622 SWISS: P37840

Target: Alpha synuclein (Ser129)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

SNCA around the phosphorylation site of Ser129: MP(p-S)EE.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plagues in the brains of patients with Alzheimer's disease. Alternatively spliced transcripts encoding different isoforms have been identified for this gene. [provided by RefSeq, Feb 2016].

Applications: WB (1:500-2000)

Flow-Cyt (1ug/Test)

Reactivity: Human (predicted: Mouse,

Rat, Rabbit, Pig, Sheep,

Cow, Dog)

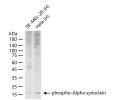
Predicted

15 kDa MW.:

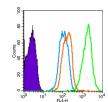
Subcellular Cell membrane ,Cytoplasm

Location: Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with phospho-Alpha synuclein polyclonal antibody, unconjugated (bs-5628R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Blank control (Black line): HUVEC (Black). Primary Antibody (green line): Rabbit Antiphospho-Alpha synuclein(Ser129) antibody (bs-5628R) Dilution: 3µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat antirabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS —

• [IF=5.682] Yan, Minghao. et al. Chronic Microcystin-LR-Induced α-Synuclein Promotes Neuroinflammation Through Activation of the NLRP3 Inflammasome in Microglia. MOL NEUROBIOL. 2022 Nov::1-17 WB; Human. 36385231

MAPK4/GATA2/SNCA and PP2A/GRKs Pathways. MOL NEUROBIOL. 2024 Dec;:1-17 IHC,WB,IF ;Mouse,Human. 39738876				