

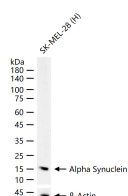
bsm-54277R**[Primary Antibody]****Alpha Synuclein Recombinant Rabbit mAb****BioSS**
ANTIBODIES

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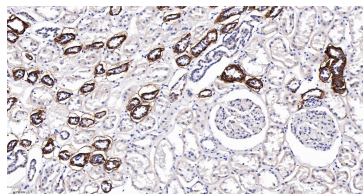
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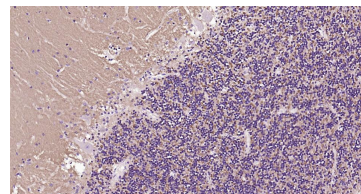
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 3H12**GeneID:** 6622**SWISS:** P37840**Target:** Alpha Synuclein**Immunogen:** A synthesized peptide derived from human alpha Synuclein: 1-140.**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 plaques 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** (1:1000-2000)**IHC-P** (1:200-800)**IHC-F** (1:200-800)**IF** (1:200-800)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human, Rat**Predicted
MW.:** 14 kDa**Observed
MW.:** 15 kDa**Subcellular
Location:** Cell membrane ,Cytoplasm
Nucleus**— VALIDATION IMAGES —**

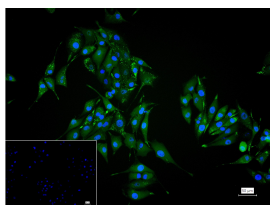
25 ug total protein per lane of various lysates (see on figure) probed with Alpha Synuclein monoclonal antibody, unconjugated (bsm-54277R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



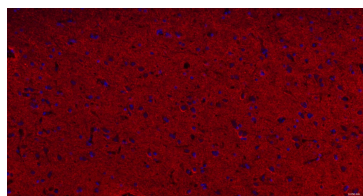
Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Alpha Synuclein Monoclonal Antibody, Unconjugated (bsm-54277R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



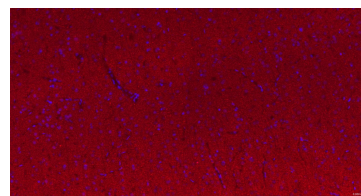
Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Alpha Synuclein Monoclonal Antibody, Unconjugated (bsm-54277R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed SK-MEL-28 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Alpha Synuclein) monoclonal Antibody, unconjugated (bsm-54277R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Alpha Synuclein Monoclonal Antibody, Unconjugated (bsm-54277R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue,



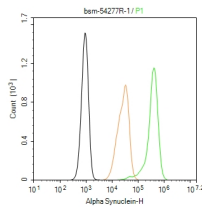
Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Alpha Synuclein Monoclonal Antibody, Unconjugated (bsm-54277R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

the primary antibody was used as the blank control.

C02-04002) was used to stain the cell nuclei.

nuclei.



The SK-MEL-28 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-Alpha Synuclein antibody (bsm-54277R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=6.7]** Limanaqi Fiona. et al. Alpha-synuclein dynamics bridge Type-I Interferon response and SARS-CoV-2 replication in peripheral cells. BIOL RES. 2024 Dec;57(1):1-21 IF ;Human. 38191441
- **[IF=4.6]** Limanaqi Fiona. et al. Alpha-synuclein shapes monocyte and macrophage cell biology and functions by bridging alterations of autophagy and inflammatory pathways. FRONT CELL DEV BIOL. 2024 Jul;12: IF,WB ;Human. 39035028