

Anti-Nitro-Alpha-synuclein (Tyr39) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)
Molecular Weight:	Theoretical: 15 kDa.
Purification:	Protein A purified

Applications

1. Blank control (Black line): HUVEC (Black).
Primary Antibody (green line): Rabbit Anti-Alpha-synuclein (nitro-Tyr39) antibody (TMAB-01239)
Dilution: 1 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647
Dilution: 1 µg/test.

Protocol

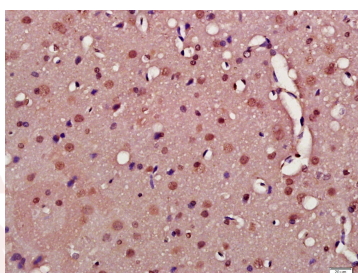
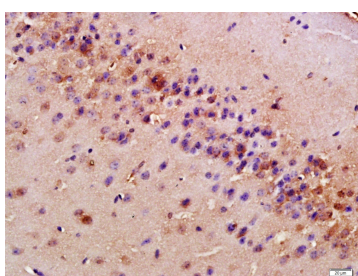
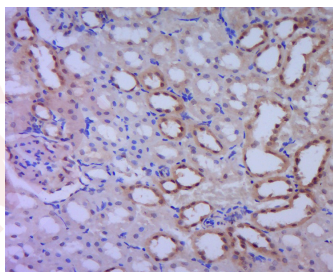
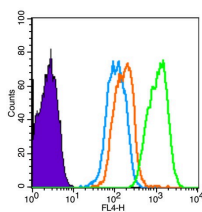
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Verified Activity:

2. Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Alpha-synuclein (nitro-Tyr39)) Polyclonal Antibody, Unconjugated (TMAB-01239) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Alpha-synuclein (nitro-Tyr39)) Polyclonal Antibody, Unconjugated (TMAB-01239) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Alpha-synuclein (nitro-Tyr39)) Polyclonal Antibody, Unconjugated (TMAB-01239) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.



Application: FCM,IF,IHC-Fr,IHC-P

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated Synthesised nitylpeptide: human SNCA around the nitrosation site of Tyr39

Antigen Species: Human

Gene ID: 6622

Uniprot ID: P37840

Synonyms: PD1;PARK1;PARK4;NACP

Biology Area: Tangles & Tau,Synuclein

Research 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].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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