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Product no AS13 2717

Anti-ASyO2 | Mouse anti-human alpha-synuclein | oligomer-specific (clone number 51,24)

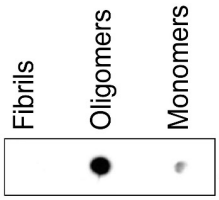
Product information

Immunogen	Synthetic peptide derived from human alpha-synuclein Glu131-Ala140
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	For short time storage please add sodium azide and srote at +4°C.For long time storage store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

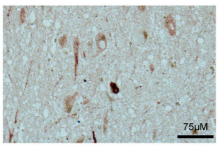
Recommended dilution	1-2 µg/ml (Dot), 2-4 µg/ml (ELISA capture), 10 µg/ml (IHC)
Expected | apparent MW	14 kDa
Confirmed reactivity	Human
Predicted reactivity	Mouse
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Giarola et al. (2024). An -helical peptide-based plasmonic biosensor for highly specific detection of -synuclein toxic oligomers. Anal Chim Acta. 2024 May 22:1304:342559. doi: 10.1016/j.aca.2024.342559. Brännström et al. (2014). A Generic Method for Design of Oligomer-Specific Antibodies. PLoS ONE. DOI: 10.1371/journal.pone.0090857.

dot blot



Dot blot reaction of the binding capacity of ASyO2 to fibrils, monomers and oligomers. Equal amounts of each sample were spotted on a nitrocellulose membrane and then dried. The membrane was blocked with 5% non-fat milk before incubated for 1 h with anti-ASyO2 (25nM) and then with secondary antibody, anti-mouse HRP-conjugated (1:1500). The membrane was washed with PBS containing 0.25% Tween-20 before detection using ECL prime (GE Healthcare).

immunolocalization



Tissue sections from the human PD midbrain, substantia nigra, were de-waxed and rehydrated in ethanol and then incubated with ASyO2 at RT for 1h. The immunoreactivity was detected with the anti-mouse Peroxidase Reagent Kit (ImmPRESS, Vector Laboratories, Inc.) and then developed using the ImmPACT AEC Peroxidase Substrate kit (Vector Laboratories, Inc.).