Phospho TAU P231 (5G7)

Mouse Monoclonal Antibody

Specification Sheet

Catalog Number:	NDG-076498
Size:	100 µg
Lot number:	0812-01
Clone:	5G7
Host / Isotype:	Mouse / IgG1 kappa
Immunogen:	Synthetic peptide KKVAVVRT(Pi)PPKSPSS
Specificity:	Human TAU posphorylated at amino acid position 231 (T)
Reactivity:	Human PHF TAU, human phosphorylated TAU at amino acid position 231 (T)
Purification:	Purified by affinity chromatography
Purity:	> 95% by SDS-PAGE
Protein Concentration (A_{280}):	1.5 ± 0.1 mg/ml
Buffer:	PBS pH 7.4 w/o preservatives
Stabilizer:	Without additives
Physical State:	Sterile-filtered liquid
Applications:	ELISA, Western Blot, Immunhistochemistry
Dilutions:	Western Blot 1 µg/ml

The dilutions set forth above are estimates; actual results may differ because of variability in methods and protocols. Validation of antibody performance/protocol is the responsibility of the end user.

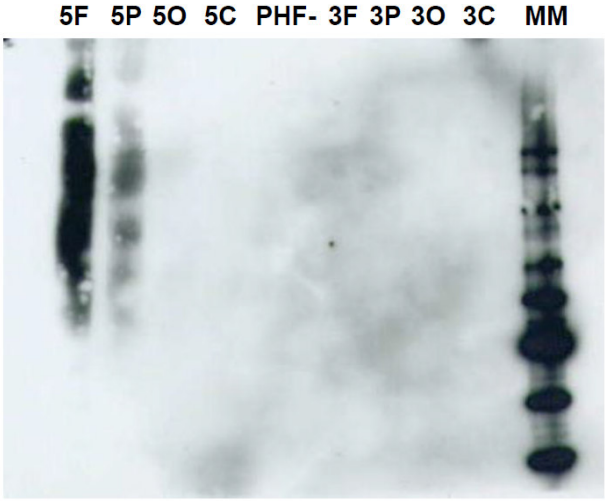
Storage and Stability: The undiluted antibody is stable for at least six weeks at 2-4°C under sterile conditions. For extended storage, aliquot and freeze at -20°C or below. Avoid repeated freeze/thaw cycles. Antibodies can be adversely affected by freeze/thaw cycles. Prepare working dilution fresh every day. If stored at -20°C or below, antibody is stable for at least 12 months.

Figure 1

Brain homogenate from patients of braak stage of 5 and 1 for AD pa-thology, respectively (4 brain areas for each patients (F: frontal; P: parietal; O: occipital; C: cerebelum) and PHF preparation from healthy brain (PHF) were separated by SDS-PAGE and blotted on nitrocellulose membrane. NC membrane was incubated by 5 µg/ml of mab 5G7.

Bound antibody was detected using horseradish peroxidase conju-gated goat anti-mouse IgG antibody and ECL staining.

Mab 5G7 reacted specifically with the phosphorylated TAU and fragments of lower molecular weight in frontal and parietal areas of braak stage 5 AD patient.



This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. The remedy for non-conforming products is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result.

dianova GmbH ● 20354 Hamburg, Germany ● Phone +49 40 45 06 70 ● info@dianova.de ● www.dianova.com