

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### p-NF2 (S518) pAb

Cat No.: BS4800

Host: Rabbit

Reactivity: Human, Mouse, Rat

#### BACKGROUND

Neurofibromatosis type 2 (NF2) is a dominantly inherited disorder characterized by the occurrence of bilateral vestibular schwannomas and other central nervous system tumors, including multiple meningiomas. NF2 occurs in about 1 of 40,000 live births. The NF2 gene is highly penetrant; NF2-affected individuals have a 95% chance of developing bilateral vestibular schwannomas. NF2 is distinct from NF1, which is characterized by an incidence of 1 in 4000, maps to chromosome 17 and encodes a protein designated neurofibromin, which is a large protein with a GAP domain. Genetic linkage studies of both sporadic and familial tumors suggest that NF2 is caused by inactivation of a tumor suppressor gene that maps on chromosome 22q12 and encodes a 595 amino acid protein whose function appears to be mediated by interaction with the cytoskeleton.

#### PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

#### Molecular Weight

~70 kDa

#### PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

#### APPLICATIONS

WB: 1:500 ~ 1:1000

IF: 1:50 ~ 1:200 (Recommended Dilutions)

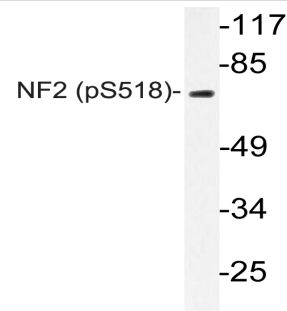
#### STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

#### SPECIFICITY

p-NF2 (S518) pAb detects endogenous levels of NF2 protein only when phosphorylated at S518.

#### DATA



Western blot (WB) analyzes of p-NF2 (S518) pAb in extracts from Jurkat IFN cells.

#### RESEARCH USE

For research use only, not for use in diagnostic procedures.

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA. Tel: 6123263284  
www.bioworld.com Orders: order@bioworld.com Support: support@bioworld.com