

## Phospho-PTEN (Ser380/Thr382/383) Ab

Cat.#: AF4450 Concn.: 1mg/ml Mol.Wt.: 55kDa Size: 50ul,100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000

Reactivity: Human, Mouse, Rat

Purification: The Ab is from purified rabbit serum by affinity purification

via sequential chromatography on phospho- and non-

phospho-peptide affinity columns.

Specificity: Phospho-PTEN (Ser380/Thr382/383) Ab detects endogenous

levels of PTEN only when phosphorylated at

Ser380/Thr382/383.

Immunogen: A synthesized peptide derived from human PTEN around the

phosphorylation site of Ser380/Thr382/383.

Uniprot: P60484

Subcellular Location: Secreted. May be secreted via a classical signal peptide and

reenter into cells with the help of a poly-Arg motif and Cytoplasm. Nucleus. Nucleus, PML body. Monoubiquitinated form is nuclear. Nonubiquitinated form is cytoplasmic. Colocalized with PML and USP7 in PML nuclear bodies.

XIAP/BIRC4 promotes its nuclear localization.

Tissue Specificity: Expressed at a relatively high level in all adult tissues,

including heart, brain, placenta, lung, liver, muscle, kidney

and pancreas.

Similarity: The C2 domain binds phospholipid membranes in vitro in a

Ca2+-independent manner; this binding is important for its

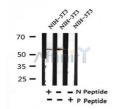
tumor suppressor function.

Storage Condition and

Buffer:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-PTEN (Ser380/Thr382/383) in lysates of NIH-3T3, using Phospho-PTEN (Ser380/Thr382/383) Ab(AF4450).



<code>TMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1% TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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