GFAP (phospho-Ser38) polyclonal antibody

Catalog:	AP0149	Host:	Rabbit	Reactivity:	Human,Mouse,Rat

BackGround:

Glial fibrillary acidic protein, or GFAP, is an intermediate filament (IF) protein belonging to the type III subclass of IF proteins. Like other IF proteins, GFAP is composed of an amino-terminal head domain, a central rod domain and a carboxy-terminal tail domain. GFAP is specifically found in astroglia, a cell type which is highly responsive to neurologic insults. Astrogliosis is found to be a result of mechanical trauma, AIDS dementia, prion infection and inflammatory demylination diseases, and is accompanied by an increase in GFAP expression. GFAP is an immunohistochemical marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P14136

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).
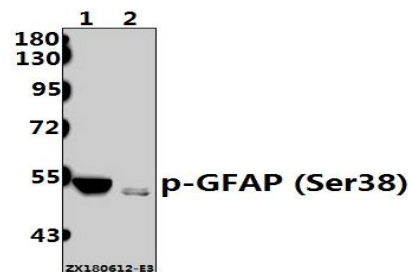
Applications:

WB: 1:500~1:1000

Storage&Stability:

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

Specificity:

p-GFAP(Ser38) polyclonal antibody detects endogenous levels of GFAP protein when phosphorylated at Ser38.

DATA:

Western blot (WB) analysis of p-GFAP (Ser38) pAb at 1:500 dilution

Lane1:The Brain tissue lysate of Rat (30ug)

Lane2:The Brain tissue lysate of Mouse (40ug)

Note:

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