ERK1/2 (T202/Y204) polyclonal antibody

Catalog: AP0485 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42, designated extracellular-signal related kinase 1 (ERK 1) and ERK 2, respectively. ERK proteins are regulated by dual phosphorylation at specific tyrosine and Threonine sites mapping within a characteristic Thr- Glu-Tyr motif. Phosphorylation at both the Thr and Tyr residues is required for full enzymatic activation. In response to activation, MAP kinases phos-phorylate downstream components on Serine and Threonine. Upstream MAP kinase regulators include MAP kinase kinase (MEK), MEK kinase and Raf-1. The ERK family has three additional members: ERK 3, ERK 5 and ERK 6.

Product:

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

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P27361/P28482

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

Storage&Stability:

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

Specificity:

ERK1/2 (T202/Y204) polyclonal antibody detects endogenous levels of ERK1/2 protein.

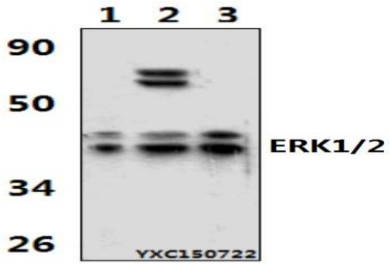
DATA:

Western blot (WB) analysis of ERK1/2 pAb at 1:500 dilution

Lane1:U-87MG whole cell lysate(40ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:EC9706 whole cell lysate(40ug)

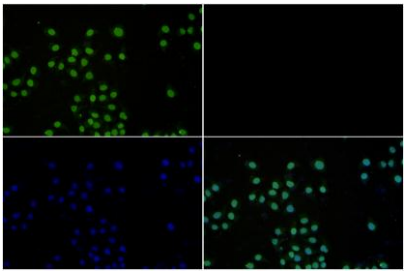


Western blot (WB) analysis of ERK1/2 (T202/Y204) pAb at 1:500 dillution

Lane1:Hela whole cell lysate(20μg)

Lane2:NIH-3T3 whole cell lysate(40μg)

Lane3:H9C2 whole cell lysate(40μg)



Immunofluorescence analysis of A549 cells using ERK1/2 antibody at dilution of 1:50.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151