

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 phosphorylate 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

IP: 1:50~1:200

Storage&Stability:

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

Specificity:

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

DATA:

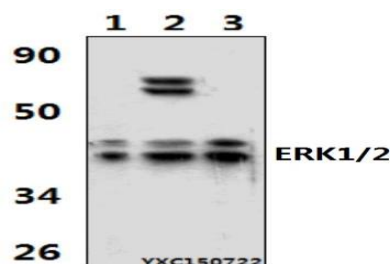


Western blot (WB) analysis of ERK1/2 pAb at 1:500 dilution

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

Lane2:H9C2 whole cell lysate(40ug)

Lane3:EC9706 whole cell lysate(40ug)

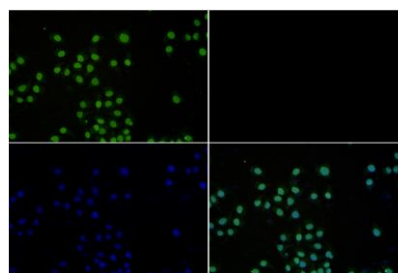


Western blot (WB) analysis of ERK1/2 (T202/Y204) pAb at 1:500 dilution

Lane1:Hela whole cell lysate(20ug)

Lane2:NIH-3T3 whole cell lysate(40ug)

Lane3:H9C2 whole cell lysate(40ug)



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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.

Email: info@bioworld.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

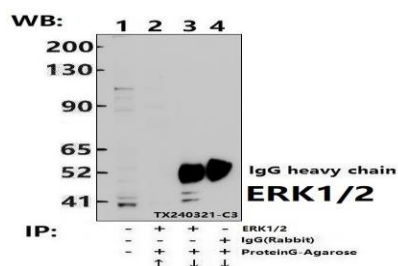
Tel: 0086-025-68037686

Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.



Immunoprecipitation of U-87MG cell lysates using ERK1/2 (T202/Y204) pAb (Sepharose Bead Conjugate) #BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using ERK1/2 (T202/Y204) pAb.

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@bioworld.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