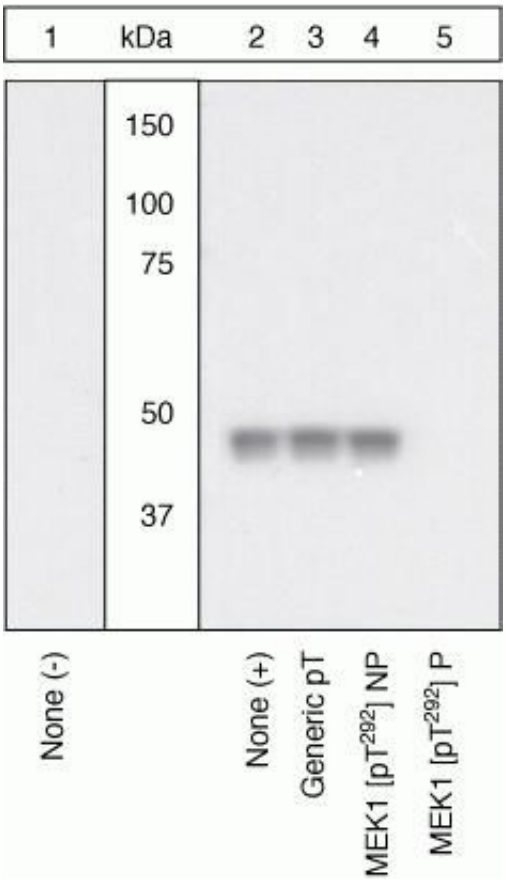
Phospho-MEK1 (Thr292) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human MEK1 that contains threonine 292. The sequence is conserved in many species including mouse, rat, chimp, hamster and rabbit.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 50% glycerol, 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20°C
RRID	AB_2533656

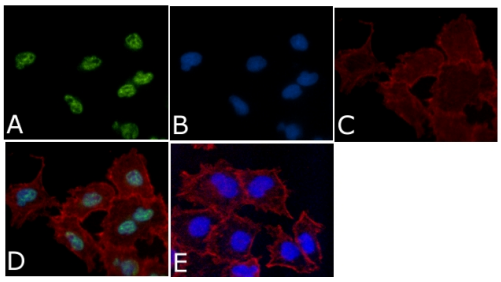
Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:500-1:2000	1 Publication
Immunocytochemistry (ICC)	✓	1:250	
Immunofluorescence (IF)	✓	1:250	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:20-1:200	

Advanced Verification Data

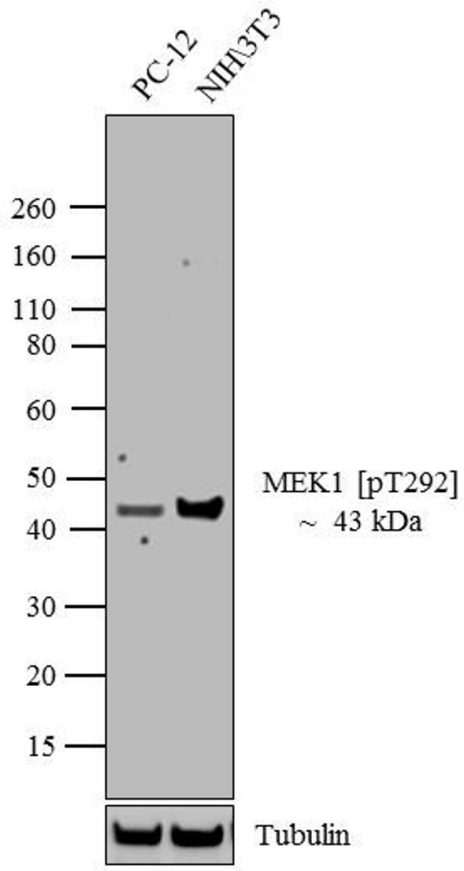


Phospho-MEK1 (Thr292) Antibody (44-458G)
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Phospho-MEK1 (Thr292) using MEK1 [pT292] Rabbit Polyclonal Antibody (Product # 44-458G), shows increase in expression Phospho-MEK1 (Thr292)in NIH3T3 cells treated with PDGF. Cell Treatment validation info.

Product Images For Phospho-MEK1 (Thr292) Polyclonal Antibody



Phospho-MEK1 (Thr292) Antibody (44-458G) in IF
Immunofluorescent analysis of Phospho-MEK1 pThr292 Antibody was done on 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with Phospho-MEK1 pThr292 Antibody (Product # 44-458G) at 1:250 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Goat Anti-Rabbit IgG Secondary Antibody (Product # A-11008) at a dilution of 1:400 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing nuclear localization. Panel e is a no primary antibody control. The images were captured at 40X magnification.



Phospho-MEK1 (Thr292) Antibody (44-458G) in WB
Western blot analysis of MEK1 (pT292) was performed by loading 20 µg of PC-12 (lane1) and NIH\u0003T3 (lane2) cell lysate using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® 2 Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. MEK1 (pT292) was detected at ~ 43 kDa using MEK1 (pT292) Rabbit Polyclonal Antibody (Product # 44-244G) at 1:1000 dilution in 5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Rabbit IgG - HRP Secondary Antibody (G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

View more figures on thermofisher.com

1 Reference

Western Blot (1)

Acta pharmacologica Sinica

The important roles of RET, VEGFR2 and the RAF/MEK/ERK pathway in cancer treatment with sorafenib.

Authors: Mao WF,Shao MH,Gao PT,Ma J,Li HJ,Li GL,Han BH,Yuan CG

Species
Human

Dilution
Not Cited

Year
2012