

Anti-ERK2 (central region) Antibody

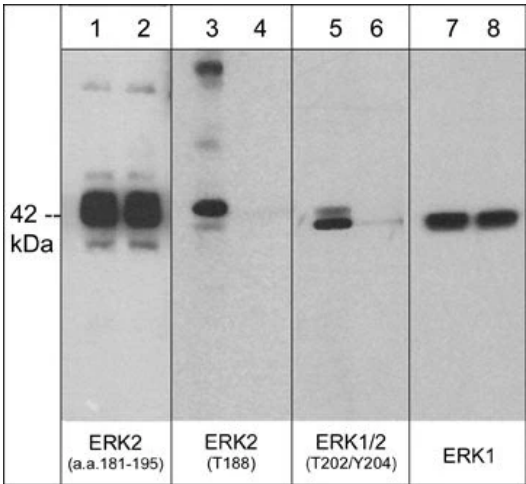


Product Details

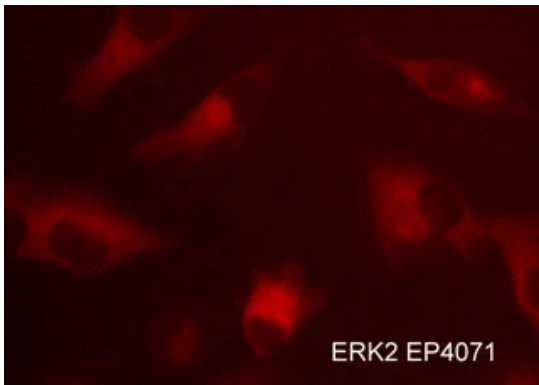
Available Variants	100 µL (SKU:EP4071)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MAPK2
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:500 ICC: 1:100
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	ERK2 synthetic peptide (coupled to carrier protein) corresponds to amino acids from the central region of mouse ERK2. This sequence is conserved in human, rat, chicken, and fish ERK2, and is highly conserved in other ERK family members, ERK1, ERK5, and ERK7.
Specificity	The antibody detects 42 and 44 kDa* proteins corresponding to ERK1 and ERK2 on SDS-PAGE immunoblots of human A431 epithelial cells.
Molecular Weight	42/44
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	P49138
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images



Western blot analysis of human A431 epithelial cells treated with 100 nM calyculin A for 30 min. (lanes 1, 3, 5, & 7) then the blot was treated with lambda phosphatase (lanes 2, 4, 6, & 8). The blots were probed with polyclonal anti-ERK2 (a.a. 181-195) (lanes 1 & 2), anti-ERK2 (Thr-188) (lanes 3 & 4), anti-ERK1/2 (Thr-202/Tyr-204) (lanes 5 & 6), or monoclonal anti-ERK1 (C-terminal region) (lanes 7 & 8).



Immunocytochemical labeling of ERK2 in aldehyde-fixed and NP-40 permeabilized human NCI-H1915 lung carcinoma cells. The cells were labeled with rabbit polyclonal anti-ERK2 (EP4071) antibody. The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.

