

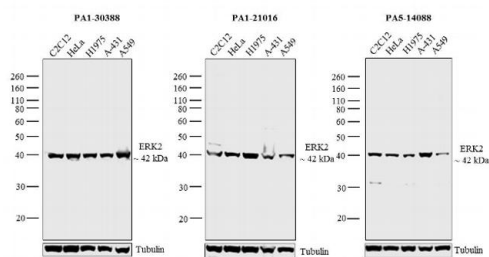
# ERK2 Polyclonal Antibody

Product Details	
Size	400 µL
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	KLH conjugated synthetic peptide between 154-183 amino acids from the central region of human MAPK1
Form	Liquid
Concentration	Lot-specific
Purification	Size-exclusion - Dialysis, Ammonium sulfate precipitation
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10982617

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1:10-1:50	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:50-1:100	
Western Blot (WB)	✓	1:1000	

## Product Specific Information

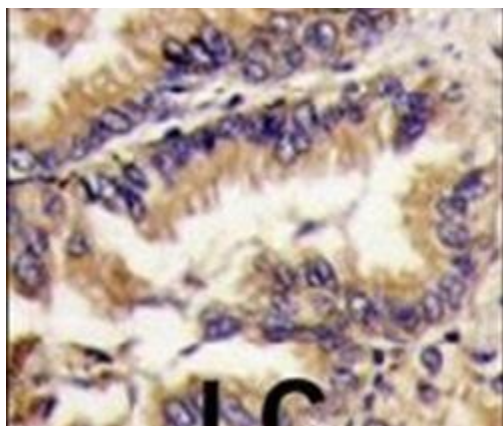
This antibody is predicted to react with bovine, mouse, rat and Xenopus based on sequence homology.



### ERK2 Antibody (PA5-14088)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of ERK2 using ERK2 Polyclonal Antibody (Product # PA5-14088), tested in parallel with ERK2 Polyclonal Antibody (Product # PA1-21016) and ERK2 Polyclonal Antibody (Product # PA1-30388), shows similar expression of ERK2 in the cell lines tested. Independent antibody validation info.

## Product Images For ERK2 Polyclonal Antibody

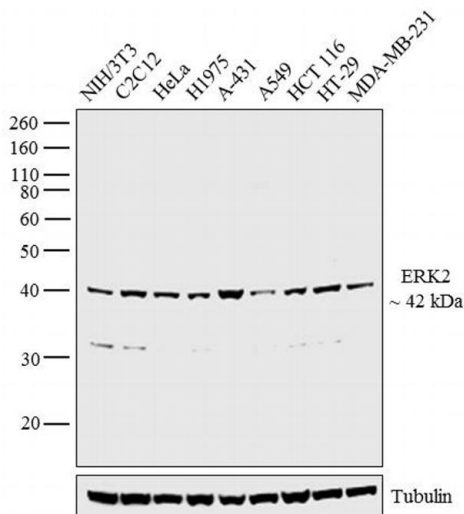


### ERK2 Antibody (PA5-14088) in IHC

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung carcinoma tissue using an ERK2 polyclonal antibody (Product # PA5-14088), followed by HRP-conjugated secondary antibody and DAB staining.

### ERK2 Antibody (PA5-14088) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of NIH/3T3 (Lane 1), C2C12 (Lane 2), HeLa (Lane 3), H1975 (Lane 4), A-431 (Lane 5), A549 (Lane 6), HCT 116 (Lane 7), HT-29 (Lane 8) and MDA-MB-231 (Lane 9). The blot was probed with Rabbit Anti-ERK2 Polyclonal Antibody (Product # PA5-14088, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 42 kDa band corresponding to ERK2 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0302BOX), XCell SureLock™ Electrophoresis System (Product # E10002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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