

## Product datasheet for **AP14193PU-N**

### MAPK15 (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human ERK8.
Specificity:	This antibody reacts to MAPK15 (ERK8).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase 15
Database Link:	<a href="#">Entrez Gene 225689 Human</a> <a href="#">Q8TD08</a>



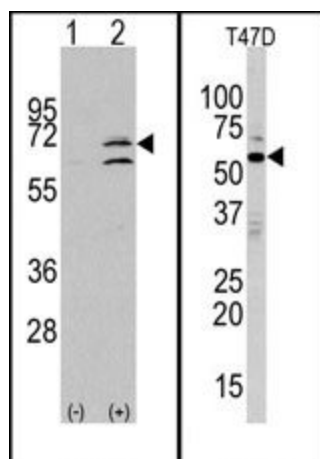
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**Background:**

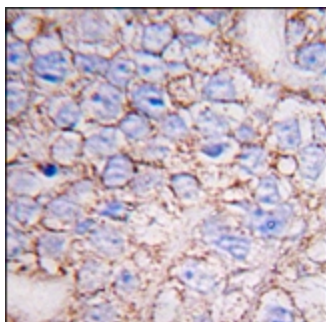
The ERKs are a subfamily of the MAPKs that have been implicated in cell growth and differentiation. Extracellular signal-regulated kinase 8 (Erk8) is a large MAP kinase whose activity is controlled by serum and the c-Src non-receptor tyrosine kinase. ERK8 down-regulates transactivation of the glucocorticoid receptor through Hic-5 and can negatively regulate transcriptional co-activation of androgen receptor and GRalpha by Hic-5 in a kinase-independent manner, suggesting a broader role for ERK8 in the regulation of nuclear receptors beyond estrogen receptor alpha. Erk8 is a novel effector of RET/PTC3 and, therefore, RET biological functions.

**Synonyms:**

Mitogen-activated protein kinase 15, ERK8

**Product images:**


(LEFT) Western blot analysis of ERK8 (arrow) using rabbit polyclonal ERK8 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Mrified Pab (1:60 dilution).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with ERK8 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.