

Product datasheet for **AP20502PU-N**

MAPK15 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200. Immunofluorescence: 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of ERK8 protein. (region surrounding Asp171)
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0,05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	~60 kDa
Gene Name:	Homo sapiens mitogen-activated protein kinase 15 (MAPK15)
Database Link:	Entrez Gene 332110 Mouse Entrez Gene 225689 Human Q8TD08



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Background:

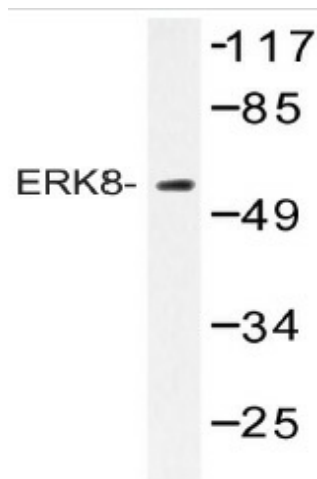
The ERKs are a subfamily of the MAPKs that have been implicated in cell growth and differentiation. Extracellular signal-regulated kinase 8 (Erk8) is a large MAP kinase whose activity is controlled by serum and the c-Src non-receptor tyrosine kinase. ERK8 down-regulates transactivation of the glucocorticoid 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

Protein Families:

Druggable Genome, Protein Kinase

Product images:

Western blot (WB) analysis of ERK8 antibody in extracts from HepG2 cells.