

## ERK 8 Polyclonal Antibody

<b>Catalog No :</b>	YT1631
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	ERK8
<b>Fields :</b>	>>IL-17 signaling pathway
<b>Gene Name :</b>	MAPK15
<b>Protein Name :</b>	Mitogen-activated protein kinase 15
<b>Human Gene Id :</b>	225689
<b>Human Swiss Prot No :</b>	Q8TD08
<b>Mouse Swiss Prot No :</b>	Q80Y86
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MAPK15. AA range:361-410
<b>Specificity :</b>	ERK 8 Polyclonal Antibody detects endogenous levels of ERK 8 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 60kD

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**Background :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The N-terminal region (1-20) is the minimal region necessary for ubiquitination and further proteosomal degradation.,domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by threonine and tyrosine phosphorylation. Inhibited by dual specificity phosphatases, such as DUSP1.,function:In vitro, phosphorylates MBP.,PTM:Dually phosphorylated on Thr-175 and Tyr-177, which activates the enzyme. Autophosphorylated on threonine and tyrosine residues in vitro.,PTM:Ubiquitinated. Ubiquitination may allow its tight kinase activity regulation and rapid turnover. May be ubiquitinated by a SCF E3 ligase.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with CSK/c-Src, ABL1, RET and TGFB111.,tissue specificity:Widely expressed with a maximal expression in lung and kidney.,

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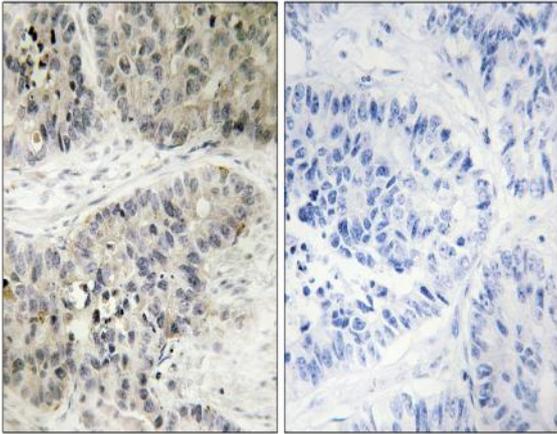
**Subcellular Location :** Cytoplasm, cytoskeleton, cilium basal body . Cell junction, tight junction . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasmic vesicle, autophagosome . Golgi apparatus . Nucleus . Cytoplasm . Cytoplasm, cytoskeleton, spindle . Co-localizes to the cytoplasm only in presence of ESRRA (PubMed:21190936). Translocates to the nucleus upon activation (PubMed:20638370). At prometaphase I, metaphase I (MI), anaphase I, telophase I, and metaphase II (MII) stages, is stably detected at the spindle (By similarity). .

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**Expression :** Widely expressed with a maximal expression in lung and kidney.

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using MAPK15 Antibody. The picture on the right is blocked with the synthesized peptide.