

# Phospho-ERK1/ERK2 (Thr202, Tyr204) Polyclonal Antibody

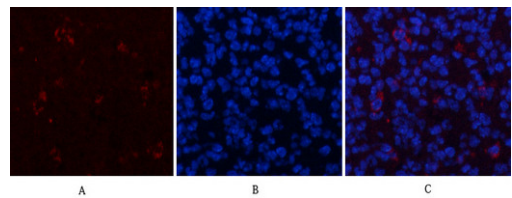
| Product Details    |   |
|--------------------|---|
| Size               | 100 µL  |
| Species Reactivity | Mouse, Rat, Human   |
| Published Species  | Pig, Rat  |
| Host/Isotype       | Rabbit / IgG  |
| Class              | Polyclonal  |
| Type               | Antibody  |
| Conjugate          | Unconjugated  |
| Immunogen          | Peptide sequence around phosphorylation site of Threonine 202/Tyrosine 204(F-L-T(p)-E-Y(p)-V-A) derived from Human p44/42 MAP Kinase. |
| Form               | Liquid  |
| Concentration      | 1 mg/mL   |
| Purification       | Affinity chromatography   |
| Storage buffer     | PBS, pH 7.4, with 50% glycerol  |
| Contains           | 0.02% sodium azide  |
| Storage conditions | -20°C   |
| RRID               | AB_2554436  |

| Applications                              | Tested Dilution | Publications   |
|---|-----------------|----------------|
| Western Blot (WB)                         | 1:500-1:1,000   | 3 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:200           | -              |
| Immunocytochemistry (ICC/IF)              | 1:200           | -              |

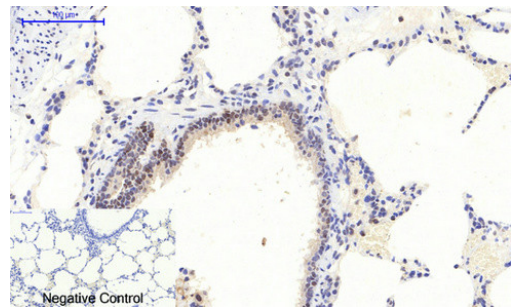
## Product Specific Information

A suggested positive control for Western blot is NIH-3T3 cells.

Product Images For Phospho-ERK1/ERK2 (Thr202, Tyr204) Polyclonal Antibody



**Phospho-ERK1/ERK2 (Thr202, Tyr204) Antibody (PA5-37828) in ICC/IF**  
Immunocytochemical analysis of Phospho-ERK1/ERK2 (Thr202, Tyr204) in mouse-spleen tissue. The tissue was stained using Phospho-ERK1/ERK2 (Thr202, Tyr204) Polyclonal Antibody (Product # PA5-37828)(red) at a 1:200 dilution (4°C,overnight). A Cy3 labled Secondary antibody was diluted at 1:300 (room temperature, 50 min).Picture B: DAPI (blue) 10 min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B.



**Phospho-ERK1/ERK2 (Thr202, Tyr204) Antibody (PA5-37828) in IHC (P)**  
Immunohistochemical analysis of Phospho-ERK1/ERK2 (Thr202, Tyr204) in paraffin-embedded Rat-lung tissue. 1) Phospho-ERK1/ERK2 (Thr202, Tyr204) Polyclonal Antibody (Product # PA5-37828) was diluted at 1:200 (4°C,overnight). 2) Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 min). 3) Secondary antibody was diluted at 1:200(room tempeRature, 30 min). Negative control was used by secondary antibody only.

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3 References

Western Blot (3)

|   |  |          |
|---|--|----------|
| Artificial cells, nanomedicine, and biotechnology   |  | Year     |
| <b>Puerarin attenuates hypoxia-resulted damages in neural stem cells by up-regulating microRNA-214.</b>   |  | 2019     |
| "PA5-37828 was used in Western Blotting to show that puerarin might be applied as a novel agent to ameliorate hypoxia-evoked damages in NSCs."  |  | Species  |
| Authors: Wang B,Ma W,Yang H   |  | Rat      |
|   |  | Dilution |
|   |  | 1:1000   |
| International journal of molecular sciences   |  | Year     |
| <b>Phylogenetically Defined Isoforms of <i>Listeria monocytogenes</i> Invasion Factor InlB Differently Activate Intracellular Signaling Pathways and Interact with the Receptor gC1q-R.</b> |  | 2019     |
| "Published figure using Phospho-ERK1/ERK2 (Thr202, Tyr204) polyclonal antibody (Product # PA5-37828) in Western Blot"   |  |          |
| Authors: Chalenko Y,Kalinin E,Marchenkov V,Sysolyatina E,Surin A,Sobyanin K,Ermolaeva S   |  |          |

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