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# EpoR (phospho Tyr368) Polyclonal Antibody

Catalog # AP67484

## Product Information

| | |
|---|---|
| **Application** | WB, IF |
| **Primary Accession** | P19235 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 55065 |

## Additional Information

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|---|---|
| **Gene ID** | 2057 |
| **Other Names** | EPOR; Erythropoietin receptor; EPO-R |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

## Protein Information

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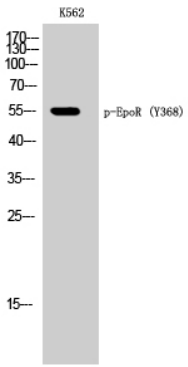
|---|---|
| **Name** | EPOR {ECO:0000303\|PubMed:2163695, ECO:0000312\|HGNC:HGNC:3416} |
| **Function** | Receptor for erythropoietin, which mediates erythropoietin- induced erythroblast proliferation and differentiation (PubMed:10388848, PubMed:2163695, PubMed:2163696, PubMed:8662939, PubMed:9774108). Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade (By similarity). In some cell types, can also activate STAT1 and STAT3 (PubMed:11756159). May also activate the LYN tyrosine kinase (By similarity). |
| **Cellular Location** | Cell membrane {ECO:0000250\|UniProtKB:P14753}; Single-pass type I membrane protein |
| **Tissue Location** | Erythroid cells and erythroid progenitor cells. [Isoform EPOR-S]: Isoform EPOR-S and isoform EPOR-T are the predominant forms in bone marrow. |

## Background

Receptor for erythropoietin. Mediates erythropoietin- induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some

cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.

## Images




Western Blot analysis of K562 cells using Phospho-EpoR (Y368) Polyclonal Antibody