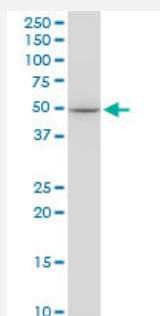


EPOR monoclonal antibody (M01), clone 3D10

Catalog # H00002057-M01

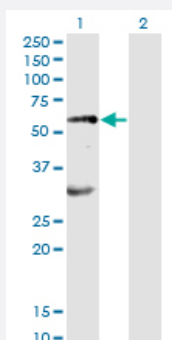
Size 100 ug

Applications



Western Blot (Cell lysate)

EPOR monoclonal antibody (M01), clone 3D10. Western Blot analysis of EPOR expression in HeLa.

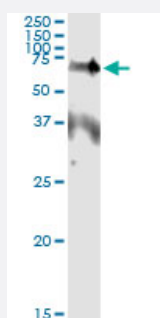


Western Blot (Transfected lysate)

Western Blot analysis of EPOR expression in transfected 293T cell line by EPOR monoclonal antibody (M01), clone 3D10.

Lane 1: EPOR transfected lysate (Predicted MW: 55.1 KDa).

Lane 2: Non-transfected lysate.

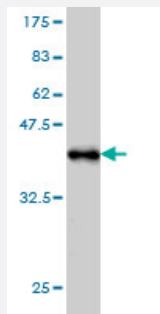
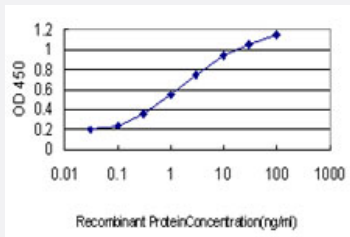


Immunoprecipitation

Immunoprecipitation of EPOR transfected lysate using anti-EPOR monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with EPOR MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPOR is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EPOR.
Immunogen	EPOR (NP_000112, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PDPKFESKAALLAARGPEELLCTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGA
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

EPOR monoclonal antibody (M01), clone 3D10. Western Blot analysis of EPOR expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of EPOR expression in transfected 293T cell line by EPOR monoclonal antibody (M01), clone 3D10.

Lane 1: EPOR transfected lysate (Predicted MW: 55.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of EPOR transfected lysate using anti-EPOR monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with EPOR MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPOR is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — EPOR

Entrez GeneID	2057
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GeneBank Accession#	NM_000121
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Protein Accession#	NP_000112
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Gene Name	EPOR
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Gene Alias	MGC138358
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Gene Description	erythropoietin receptor
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Omim ID	133100 133171
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Gene Ontology

[Hyperlink](#)

Gene Summary

The erythropoietin receptor is a member of the cytokine receptor family. Upon erythropoietin binding, the erythropoietin receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. [provided by RefSeq]

Other Designations

-

Publication Reference

- [GATA2 regulates the erythropoietin receptor in t\(12;21\) ALL.](#)

Gaine ME, Sharpe DJ, Smith JS, Colyer HAA, Hodges VM, Lappin TR, Mills KL.

Oncotarget 2017 Aug; 8(39):66061.

Application: WB, Human, NALM-6, REH, UT-7 cells

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Myeloproliferative Disorders](#)
- [Polycythemia Vera](#)
- [Thrombocythemia](#)