

Nur für Forschungszwecke

# PHD2/EGLN1 Monoklonaler Antikörper

Katalog-Nr.:CL594-66589



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL594-66589	<b>GenBank-Zugangsnummer:</b> NM_022051	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul, Konzentration: 1000 µg/ml von54583	<b>GeneID (NCBI):</b> 54583	<b>CloneNo.:</b> 1A2F1
<b>Nanodrop;</b>	<b>Vollständiger Name:</b> egl nine homolog 1 (C. elegans)	<b>Empfohlene Verdünnungen:</b> IF 1:50-1:500
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 46 kDa	<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 588 nm / 604 nm
<b>Isotyp:</b> IgG1		

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF	<b>Positivkontrollen:</b> IF : HEK-293-Zellen,
<b>Getestete Reaktivität:</b> Hausschwein, Human, Maus, Ratte	

## Hintergrundinformationen

EGLN1, also named as PHD2, SM-20, HPH-2 and HIF-PH2, catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. It hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. EGLN1 functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Defects in EGLN1 are the cause of erythrocytosis familial type 3 (ECYT3). EGLN1 has 3 isoforms with MW of 46 kDa, 44 kDa and 36 kDa produced by alternative splicing. It mainly localizes in cytoplasm and can shuttle between the nucleus and cytoplasm (PubMed:19631610). The antibody is specific to EGLN1.

## Lagerung

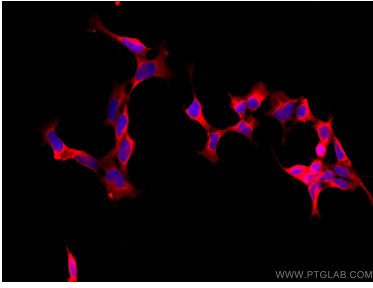
**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite®@594 PHD2/EGLN1 antibody (CL594-66589, Clone: 1A2F1) at dilution of 1:200.