EGLN1 / PHD2 Antibody

Mouse Monoclonal Antibody [Clone 366G/76/3]

Catalog No	Format	Size
54583-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
54583-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
54583-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

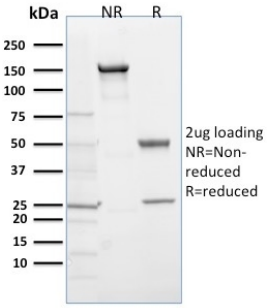
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	366G/76/3
Gene Name	EGLN1
Immunogen	Residues 1-24 of PHD2
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	46kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	MCF7 cells. Brain or adrenal gland.

**Optimal dilution for a specific application should be determined.*

Product Images for EGLN1 / PHD2 Antibody



SDS-PAGE Analysis of Purified EGLN1 / PHD2 Mouse Monoclonal Antibody (366G/76/3). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

366G/76/3 recognises human prolyl hydroxylase 2 (PHD2), a 46kDa enzyme expressed abundantly in all tissues with the highest expression in testis. Hypoxia inducible factor-1 (HIF-1) is a transcriptional complex, consisting of an alpha and beta subunit, which plays a key role in coordinating the cellular response to hypoxia. During normal oxygen conditions, the alpha subunit of HIF-1 is rapidly degraded, however when hypoxia occurs this degradation is suppressed and HIF-1 activates the transcription of various genes important for survival and adaptation to hypoxia. Prolyl hydroxylase 2 catalyses the hydroxylation of specific prolyl residues within the HIF-1 alpha subunit, thereby targeting this subunit for degradation.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Angiogenesis, Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.