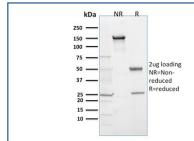


EGLN1 Antibody / PHD2 [clone 366G/76/3] (V8026)

Catalog No.	Formulation	Size
V8026-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8026-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8026SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	366G/76/3
Purity	Protein G affinity chromatography
UniProt	Q9GZT9
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This EGLN1 / PHD2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free EGLN1 antibody (clone 366G/76/3) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the EGLN1 / PHD2 antibody should be determined by the researcher.

Immunogen

Amino acids 1-24 of human PHD2/EGLN1 were used as the immunogen for the EGLN1 antibody.

Storage

Store the EGLN1 / PHD2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).