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Datasheet for ABIN6940360 anti-EGLN1 antibody (AA 1-24)

Image



Overview

Quantity:	100 µg
Target:	EGLN1
Binding Specificity:	AA 1-24
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EGLN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Residues 1-24 of PHD2
Clone:	366G-76-3
lsotype:	lgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	EGLN1
Alternative Name:	EGLN1 (EGLN1 Products)
Background:	366G/76/3 recognises human prolyl hydroxylase 2 (PHD2), a 46 kDa enzyme expressed
	abundantly in all tissues with the highest expression in testis. Hypoxia inducible factor-1 (HIF-1)

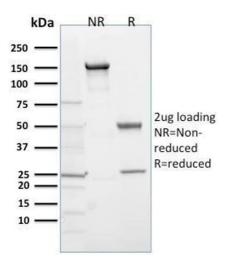
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Target Details

	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.
Molecular Weight:	46kDa
Gene ID:	54583
UniProt:	Q9GZT9
Pathways:	cAMP Metabolic Process, Warburg Effect
Application Details	
Application Notes:	Positive Control: MCF7 cells. Brain or adrenal gland. Known Application: Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.

Expiry Date: 24 months

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SDS-PAGE

Image 1. SDS-PAGE Analysis Purified EGLN1 / PHD2 Mouse Monoclonal Antibody (366G/76/3). Confirmation of Purity and Integrity of Antibody.

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