SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-HIF Prolyl Hydroxylases/FITC Conjugated antibody

Catalog Number: SL1871R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-HIF Prolyl Hydroxylases/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human PH-4
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit)
Background:	background: The product of this gene belongs to the family of prolyl 4-hydroxylases. This protein is a prolyl hydroxylase that may be involved in the degradation of hypoxia-inducible transcription factors under normoxia. It plays a role in adaptation to hypoxia and may be related to cellular oxygen sensing. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]. **Function:** Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. **Subunit:** Homodimer. **Subcellular Location:** Endoplasmic reticulum membrane; Single-pass type II membrane protein. **Tissue Specificity:** Widely expressed with highest levels in adult pancreas,

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	heart, skeletal muscle, brain, placenta, kidney and adrenal gland. Expressed at lower levels in epiphyseal cartilage and in fibroblasts. **Post-translational modifications:** Glycosylated. **Similarity:** Contains 2 EF-hand domains. Contains 1 Fe2OG dioxygenase domain. **Database links:** **Entrez Gene:** 538626 Cow **Entrez Gene:** 54681 Human **Entrez Gene:** 74443 Mouse **Entrez Gene:** 301008 Rat **SwissProt:** Q9NXG6 Human **SwissProt:** Q8BG58 Mouse **Unigene:** 654944 Human **Unigene:** 226534 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.