

## HIF Prolyl Hydroxylases Conjugated Antibody

Catalog No: #C57046



Package Size: #C57046-AF350 100ul #C57046-AF405 100ul #C57046-AF488 100ul  
 #C57046-AF555 100ul #C57046-AF594 100ul #C57046-AF647 100ul  
 #C57046-AF680 100ul #C57046-AF750 100ul #C57046-Biotin 100ul

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## Description

Product Name	HIF Prolyl Hydroxylases Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human
Specificity	HIF Prolyl Hydroxylases Antibody detects endogenous levels of total HIF Prolyl Hydroxylases
Immunogen Description	A synthesized peptide derived from human HIF Prolyl Hydroxylases
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EGLN4 ; HIFPH4; Hypoxia inducible factor prolyl 4 hydroxylase; P4H with transmembrane domain; P4htm; PH4; PHD4; Proline 4 hydroxylase; Prolyl hydroxylase domain containing 4;
Accession No.	Uniprot:Q9NXG6
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Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	47kDa
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Product Description

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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.

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Note: This product is for in vitro research use only