

HIF1AN Conjugated Antibody

Catalog No: #C49920



Package Size: #C49920-AF350 100ul #C49920-AF405 100ul #C49920-AF488 100ul
 #C49920-AF555 100ul #C49920-AF594 100ul #C49920-AF647 100ul
 #C49920-AF680 100ul #C49920-AF750 100ul #C49920-Biotin 100ul

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 Support: tech@signalwayantibody.com

Description

Product Name	HIF1AN Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human HIF1AN aa 1-200.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DKFZp762F1811 antibody Factor inhibiting HIF-1 antibody Factor inhibiting HIF1 antibody FIH 1 antibody FIH-1 antibody FIH1 antibody FLJ20615 antibody FLJ22027 antibody HIF1AN antibody HIF1N_HUMAN antibody Hypoxia inducible factor 1 alpha inhibitor antibody Hypoxia inducible factor 1 alpha subunit inhibitor antibody Hypoxia inducible factor asparagine hydroxylase antibody Hypoxia-inducible factor 1-alpha inhibitor antibody Hypoxia-inducible factor asparagine hydroxylase antibody Peptide aspartate beta dioxygenase antibody
Accession No.	Swiss-Prot#:Q9NWT6
Uniprot	Q9NWT6
GeneID	55662;
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	40 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
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

Background

Factor inhibiting HIF-1 (FIH-1) exists as a homodimer and binds to HIF-1 α . Specifically, FIH-1 operates as an asparaginyl hydroxylase. It catalyzes the hydroxylation of the β -carbon of Asparagine residue 803 within the carboxy terminal transactivation domain of HIF-1 α . This hydroxylation event blocks the association of HIF-1 α with co-activators. FIH-1 also binds to von Hippel-Lindau (VHL) tumor suppressor protein, which represses transcriptional activity of HIF-1 α . In transiently transfected human osteosarcoma cells, FIH-1 localizes to the cytoplasm. The structure of FIH-1 includes a jellyroll-like β -barrel containing ferrous-binding triad residues. The gene encoding human FIH-1 maps to chromosome 10q24.

Note: This product is for in vitro research use only