German Research Products - GRP GmbH

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Product Datasheet

HIF1 alpha antibody GRP65

Description Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in

mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1.

Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq]

Species/Host Rabbit

Reactivity Human, Mouse, Rat, Bovine, Rabbit

Conjugation Unconjugated

Tested Applications ChIP, ICC, IF, IHC-Fr, IHC-P, IP, WB

Immunogen Recombinant protein encompassing a sequence within the

C-terminus region of human HIF1 alpha. The exact sequence is

proprietary.

Form/Appearance Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300

was added as a preservative.

Concentration 0.26 mg/ml

Storage Store as concentrated solution. Centrifuge briefly prior to opening

vial. For short-term storage (1-2 weeks), store at 4°C. For

long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Note For research use only.

Isotype IgG

Clonality Polyclonal

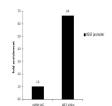
Purity Purified by antigen-affinity chromatography.

Uniprot ID Q16665

Entrez 3091

Dilution Range WB: 1:500-1:3000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000,IP:

1:100-1:570



ChIP was performed with HepG2 chromatin extract and 5 ?g

either normal rabbit IgG or anti-HIF1 alpha antibody.

The precipitated DNA was detected by PCR with primer set

targeting to VEGF promoter.



HIF1 alpha antibody detects HIF1 alpha protein at

nucleus

on human kidney cancer

immunohistochemical analysis. Sample:

Paraffin-embedded human kidney cancer.

HIF1 alpha antibody (GRP517) dilution: 1:500.