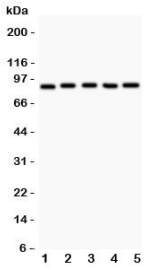
HIF-1 beta Antibody (R31550)

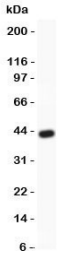
Catalog No.	Formulation	Size
R31550	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	405
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HIF-1 beta antibody is available for research use only.



Western blot testing of HIF-1 beta antibody and Lane 1: HeLa; 2: 293T; 3: Jurkat; 4: U87; Lane5: COLO320. Expected/observed size ~87KD



Western blot testing of HIF-1 beta antibody and recombinant human protein (0.5ng)

Description

HIF-1 beta is also known as ARNT or HIF1B. This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. It is mapped to 1q21.3. The protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved in xenobiotic metabolism. HIF-1 beta is also a co-factor for transcriptional regulation by hypoxia-inducible factor 1. It is a structural component of the XRE-binding form of the Ah receptor. It also functions in concert with RelB in a CD30-induced negative feedback mechanism.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HIF-1 beta antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 416-789) was used as the immunogen for this HIF-1 beta antibody.

Storage

After reconstitution, the HIF-1 beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.