

Datasheet for ABIN6988860

anti-HIST1H3A antibody (AA 131-230) (PE)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	AA 131-230
Reactivity:	Human, Mouse, Rat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is conjugated to PE
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HIF3 alpha
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Sheep
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	HIST1H3A
Alternative Name:	H3 alpha (HIST1H3A Products)
Background:	Synonyms: IPAS, MOP7, PASD7, HIF-3A, bHLHe17, Hypoxia-inducible factor 3-alpha, HIF-3-

Target Details

alpha, HIF3-alpha, Basic-helix-loop-helix-PAS protein MOP7, Class E basic helix-loop-helix protein 17, HIF3-alpha-1, Inhibitory PAS domain protein, Member of PAS protein 7, PAS domain-containing protein 7, HIF3A

Background: Involved in adaptive response to hypoxia. Suppresses hypoxia-inducible expression of HIF1A and EPAS1. Binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters. The complex HIF3A-ARNT activates the transcription of reporter genes driven by HRE. Isoform 4 has a dominant-negative function of inactivating HIF1A-mediated transcription. Isoform 4 attenuates the binding of HIF1A to hypoxia-responsive elements (HRE), thus inhibiting HRE-driven transcription. Hypoxia induces down-regulation of isoform 4, leading to activation of HIF1A in hypoxia. Conversely, upon restoring normoxia, the expression of isoform 4 increases and thereby secure an inhibition of HIF1A activity. Isoform 4 may be a negative regulator of hypoxia-inducible gene expression in the kidney and may be involved in renal tumorigenesis. Functions as an inhibitor of angiogenesis in the cornea (By similarity).

Gene ID: 64344

UniProt: [Q9Y2N7](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months