

Datasheet for ABIN759506

**anti-HIST1H3A antibody (AA 131-230)**[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 un-conjugated                                                                                                                                                                                                                                       |
| Application:         | ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## 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 |
|---------|----------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | H3 alpha ( <a href="#">HIST1H3A Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: IPAS, MOP7, PASD7, HIF-3A, bHLHe17, Hypoxia-inducible factor 3-alpha, HIF-3-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</p> <p>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).</p> |
| Gene ID:          | 64344                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt:          | <a href="#">Q9Y2N7</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>FCM 1:20-100<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                                                                                                   |

## Handling

|                |         |
|----------------|---------|
| Format:        | Liquid  |
| Concentration: | 1 µg/µL |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:           | 4 °C,-20 °C                                                                                                        |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months                                                                                                          |