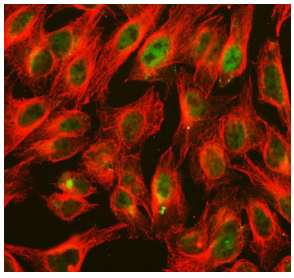
# ALKBH1 Antibody / Nucleic acid dioxygenase ALKBH1 (RQ5956)

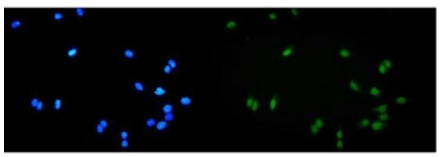
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5956 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

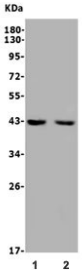
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q13686 |
| **Localization** | Nuclear, cytoplasmic |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunofluorescence: 5ug/ml |
| **Limitations** | This ALKBH1 antibody is available for research use only. |



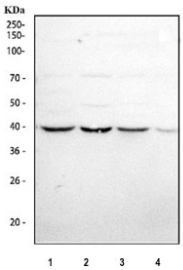
Immunofluorescent staining of FFPE human U-2 OS cells with ALKBH1 antibody (green) and Alpha Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human U-2 OS cells with ALKBH1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of human 1) Jurkat and 2) K562 lysate with ALKBH1 antibody. Predicted molecular weight ~44 kDa.




Western blot testing of human 1) A549, 2) PC-3, 3) Jurkat and 4) K562 cell lysate with ALKBH1 antibody. Predicted molecular weight ~44 kDa.

## Description

Nucleic acid dioxygenase ALKBH1 is an enzyme that in humans is encoded by the ALKBH1 gene. It is mapped to 14q24.3. This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine.

## Application Notes

Optimal dilution of the ALKBH1 antibody should be determined by the researcher.

## Immunogen

Amino acids YLKTARVNMTVRQVLATDQNFPLEPIEDEKRD from the human protein were used as the immunogen for the ALKBH1 antibody.

## Storage

After reconstitution, the ALKBH1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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