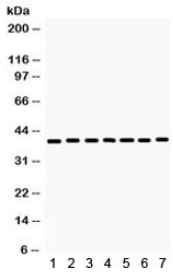
# HDAC11 Antibody (R32306)

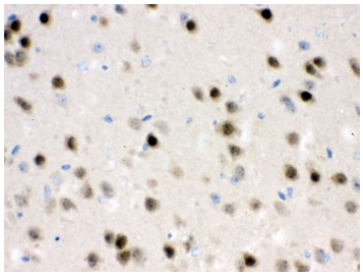
| Catalog No. | Formulation | Size |
|---|---|---|
| R32306 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

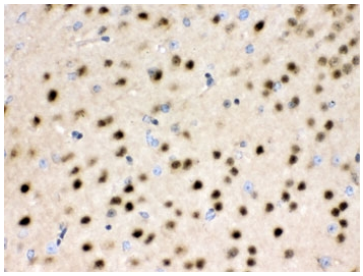
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | Q96DB2 |
| **Localization** | Predominantly nuclear |
| **Applications** | Western blot: 0.1-0.5ug/ml<br>IHC (FFPE): 0.5-1ug/ml |
| **Limitations** | This HDAC11 antibody is available for research use only. |




Western blot testing of rat 1) skeletal muscle, 2) kidney, 3) heart, 4) NRK, and human 5) 293, 6) HeLa and 7) MCF7 lysate with HDAC11 antibody. Expected/observed molecular weight ~39 kDa.



IHC testing of FFPE mouse brain with HDAC11 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat brain with HDAC11 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

Histone deacetylase 11 is a 39kDa histone deacetylase enzyme that in humans is encoded by the HDAC11 gene on chromosome 3 in humans and chromosome 6 in mice. This gene encodes a class IV histone deacetylase. And the encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants. HDAC11 expression is normally found in brain and testis tissue, but upregulation of HDAC11 expression has also been seen in various cancer cells. In addition, HDAC11 has been shown to be a negative regulator of IL-10 production in antigen presenting cells. It has also been shown that inhibition of HDAC11 results in increased expression of OX40L in Hodgkin lymphoma cells.

## Application Notes

Optimal dilution of the HDAC11 antibody should be determined by the researcher.

## Immunogen

Amino acids NFLKEEKLLSDSMLVEAREASEEDLLVVHTRRYLN of human HDAC11 were used as the immunogen for the HDAC11 antibody.

## Storage

After reconstitution, the HDAC11 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.