

HDAC2 Antibody, pAb, Rabbit

Cat. No.: A01178-40

Size: 40 µg

Synonyms: Rabbit Anti-HDAC2 pAb;

Description:

HDAC2 (Histone deacetylase 2) belongs to the histone deacetylase family. Histone deacetylases are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3, and H4) via the formation of large multiprotein complexes. Histone deacetylation forms the tagging for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression, and developmental events. HDAC2 also forms transcriptional repressor complexes by associating with many different proteins, such as YY1, a mammalian zinc-finger transcription factor.

GenScript **Rabbit Anti-HDAC2 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide derived from the carboxyl terminal residues of the human HDAC2 protein (Swiss Prot: Q92769).

Immunogen: Synthetic peptide (KLH-coupled) derived from the carboxyl terminal residues of the human HDAC2 (Swiss Prot: Q92769)

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Predicated Band Size:

55 kD

Observed Band Size:

55 kD

Example

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-HDAC2 Polyclonal Antibody detects endogenous levels of human HDAC2 protein.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Immunohistochemistry: 5-10 µg/ml **Other applications:** user-optimized

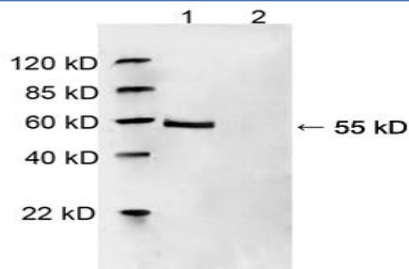
Species Reactivity: Human. This product has not yet been tested with other species.

Reconstitution:

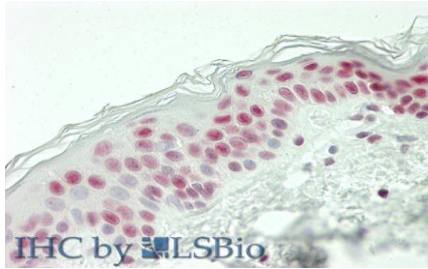
Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

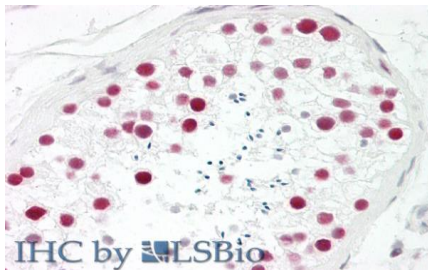
The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of HeLa cell lysate using 1 $\mu\text{g/ml}$ Rabbit Anti-HDAC2 Polyclonal Antibody (GenScript, A01178)
Lane 1. Rabbit Anti-HDAC2 Polyclonal Antibody
Lane 2. Rabbit Anti-HDAC2 Polyclonal Antibody pre-incubated with immunizing peptide
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.



Immunohistochemistry analysis of human skin tissue slide (Paraffin embedded) using HDAC2 Antibody, pAb, Rabbit (GenScript, Cat.No. A01178, 5 $\mu\text{g/ml}$)



Immunohistochemistry analysis of human testis tissue slide (Paraffin embedded) using HDAC2 Antibody, pAb, Rabbit (GenScript, Cat.No. A01178, 5 $\mu\text{g/ml}$)