

HDAC7 (Histone Deacetylase 7) Antibody

Product Description

The affinity purified rabbit polyclonal anti-HDAC7 antibody is developed using the C-terminal peptide of human histone deacetylase 7. It could be used for detection and isolation of HDAC-7.

Species

Rabbit

Formulation

0.25 mg/mL in TBS, 50% glycerol, 0.01% NaN₃

Storage & Stability

Product is stable for several weeks at 4°C. For extended storage, store product at -20°C. Expiration date is one year from date of shipping if properly stored.

Immunogen

Human HDAC-7 (protein code: NP_056216) C-terminal peptide-KLH conjugate

Purification

The antibody was purified with antigen-specific immunoaffinity chromatography.

Specificity

The antibody recognizes human HDAC-7. It may cross-react with HDAC-7 from other species.

Applications

ELISA

WB (1:1000)

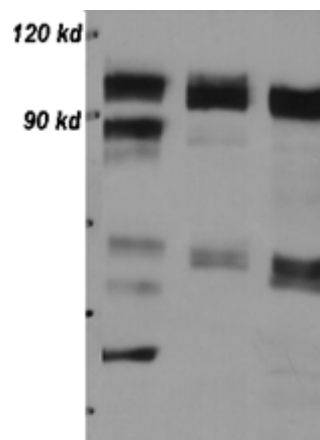
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Catalog #: CN0825

Histone deacetylases (HDAC) are a class of enzymes that remove acetyl groups from the ε-N-acetyl lysine amino acid on histones or other proteins. Its action is opposite to that of histone acetyltransferase.

HDAC proteins are found in three groups, the first two groups belong to the classical HDACs whose activities are inhibited by trichostatin A (TSA). The third group is a family of NAD⁺-dependent proteins unaffected by TSA. Homologues to all three groups are found in yeast: reduced potassium dependency 3 (Rpd3) corresponding to class 1, histone deacetylase 1 (hda1) to class 2 and silent information regulator 2 (Sir 2) corresponding to class 3.

Sample Data



Western blot analysis of HeLa (left), 293 (middle) and Jurkat cell lysate (30 μg) with CN0825.

Scientific Description

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: HDAC 7 (Histone Deacetylase 7) Antibody**Catalog #: CN0825**

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name: ImmuneChem Pharmaceuticals Inc.
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Fax: 604-431-6425
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Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
 - Conditions to avoid: Light.
 - Materials to Avoid: Strong oxidizing agents.
 - Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.
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Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
 - Absorb on sand or vermiculite and place in closed containers for disposal.
 - Observe all federal, state and local environmental regulations.
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Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
 - In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
 - If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
 - In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.
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Article 9 - Preparation

Prepared By: Hao Xiao

Phone #: 1-604-431-6425

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

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