

Sheep Histone Deacetylase 2 ELISA Kit | HDAC2 elisa kit

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CATALOG #
AAA97056

REACTIVITY
Sheep

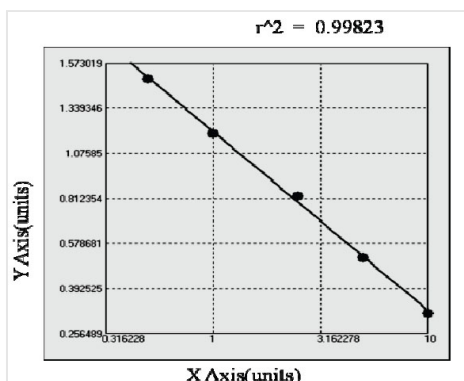
PRODUCT SYNONYMS

Histone Deacetylase 2; Sheep Histone Deacetylase 2 ELISA Kit; HDAC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This HDAC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HDAC2. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDAC2 elisa kit

Principle of the Assay: HDAC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HDAC2 antibody and an HDAC2-HRP conjugate. The assay sample and buffer are incubated together with HDAC2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HDAC2 concentration since HDAC2 from samples and HDAC2-HRP conjugate compete for the anti-HDAC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HDAC2 from the sample, fewer sites are left to bind HDAC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HDAC2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HDAC2 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	293336691
NCBI GeneID	3066
NCBI Accession #	NP_001518.3
NCBI GenBank Nucleotide #	NM_001527.3
Molecular Weight	55,364 Da
NCBI Official Full Name	histone deacetylase 2
NCBI Official Synonym Full Names	histone deacetylase 2
NCBI Official Symbol	HDAC2
NCBI Official Synonym Symbols	HD2; RPD3; YAF1
NCBI Protein Information	histone deacetylase 2; YY1-associated factor 1; transcriptional regulator homolog RPD3
UniProt Protein Name	Histone deacetylase 2
UniProt Gene Name	HDAC2
UniProt Synonym Gene Names	HD2
UniProt Entry Name	HDAC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hdac2-sheep-elisa-kits/histone-deacetylase-2/97056>