

## Product datasheet

# ALDOA positive control ChIP primer pair ab269260

[1 Image](#)

### Overview

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<b>Product name</b>	ALDOA positive control ChIP primer pair
<b>General notes</b>	<p>Positive control ChIP-qPCR 5' and 3' primers for ALDOA gene. Use with SYBR green.</p> <p>We recommend these primers as a positive control (based on Abcam's testing) for the Histone H3 dimethyl K4 histone mark. They may also be useful for other histone marks.</p> <p>500pmole of each oligo per unit (lyophilised). HPLC purified, desalted and lyophilised as a sodium salt.</p> <p>Quantity provided is sufficient for approx. 200 reactions based on 2.5pmol of primer per reaction with a final concentration of 100nM in 25µl.</p> <p>Please contact us after purchase if you require the sequence of the oligos.</p>
<b>Tested applications</b>	<b>Suitable for:</b> ChIP

### Properties

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<b>Form</b>	Lyophilized
<b>Storage instructions</b>	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Function</b>	Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein.
<b>Pathway</b>	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4.
<b>Involvement in disease</b>	Defects in ALDOA are the cause of glycogen storage disease type 12 (GSD12) [MIM:611881]; also known as red cell aldolase deficiency. A metabolic disorder associated with increased hepatic glycogen and hemolytic anemia. It may lead to myopathy with exercise intolerance and rhabdomyolysis.
<b>Sequence similarities</b>	Belongs to the class I fructose-bisphosphate aldolase family.

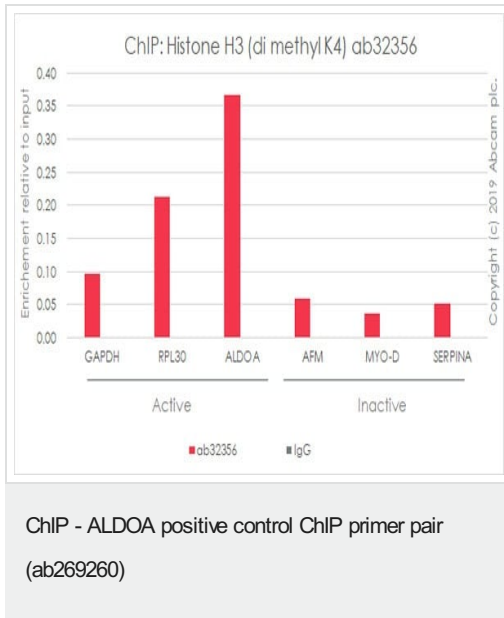
### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab269260 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration.

## Images



Chromatin was prepared from HeLa cells according to the **Abcam X-ChIP protocol**. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 25µg of chromatin, 2µg of **ab32356** (red), and 20µl of Anti Rabbit IgG sepharose beads. 2µg of rabbit normal IgG was added to the beads control (grey). The immunoprecipitated DNA was quantified by real time PCR (Sybr green approach). Primers and probes are located in the first kb of the transcribed region.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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