

**EID2 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5633b****Specification**

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**EID2 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q8N6I1](#)  
Other Accession [NP\\_694964.3](#)

**EID2 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 163126

**Other Names**

EP300-interacting inhibitor of differentiation 2, EID-2, CREBBP/EP300 inhibitor 2, EID-1-like inhibitor of differentiation 2, EID2 {ECO:0000312|EMBL:AAH301373}

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**EID2 Antibody (C-term) Blocking peptide - Protein Information**

**Name** EID2 {ECO:0000312|EMBL:AAH30137.3}

**Function**

Interacts with EP300 and acts as a repressor of MYOD- dependent transcription and muscle differentiation. Inhibits EP300 histone acetyltransferase activity. Acts as a repressor of TGFB/SMAD transcriptional responses. May act as a repressor of the TGFB/SMAD3- dependent signaling by selectively blocking formation of TGFB-induced SMAD3-SMAD4 complex.

**Cellular Location**

Nucleus.

**Tissue Location**

Most abundantly expressed in placenta. Highly expressed in liver, brain, heart, skeletal muscle, and kidney

**EID2 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **EID2 Antibody (C-term) Blocking peptide - Images**

#### **EID2 Antibody (C-term) Blocking peptide - Background**

EID2 interacts with EP300 and acts as a repressor of MYOD-dependent transcription and muscle differentiation. Inhibits EP300 histone acetyltransferase activity. Acts as a repressor of TGFB/SMAD transcriptional responses. It may act as a repressor of the TGFB/SMAD3-dependent signaling by selectively blocking formation of TGFB-induced SMAD3-SMAD4 complex.

#### **EID2 Antibody (C-term) Blocking peptide - References**

Lee, H.J., et al. J. Biol. Chem. 279(4):2666-2672(2004)ji, A., et al. Gene 318, 35-43 (2003) :