

**CECR2 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2309a****Specification**

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**CECR2 Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">Q9BXF3</a>
Other Accession	<a href="#">AAK15343.1</a> , <a href="#">27443</a>
Predicted	Human, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	164213

**CECR2 Antibody (C-Term) - Additional Information****Gene ID** 27443**Other Names**

Cat eye syndrome critical region protein 2, CECR2, KIAA1740

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CECR2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CECR2 Antibody (C-Term) - Protein Information****Name** CECR2**Synonyms** KIAA1740**Function**

Regulatory subunit of the ATP-dependent CERF-1 and CERF-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (PubMed:<a href="http://www.uniprot.org/citations/15640247" target="\_blank">15640247</a>, PubMed:<a href="http://www.uniprot.org/citations/26365797" target="\_blank">26365797</a>, PubMed:<a href="http://www.uniprot.org/citations/28801535" target="\_blank">28801535</a>, PubMed:<a href="http://www.uniprot.org/citations/28801535" target="\_blank">28801535</a>).

[22464331](http://www.uniprot.org/citations/22464331)). The complexes do not have the ability to slide mononucleosomes to the center of a DNA template (PubMed: [28801535](http://www.uniprot.org/citations/28801535)). The CERF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the CERF-5 ISWI chromatin remodeling complex (PubMed: [28801535](http://www.uniprot.org/citations/28801535)). Plays a role in various processes during development: required during embryogenesis for neural tube closure and inner ear development. In adults, required for spermatogenesis, via the formation of ISWI-type chromatin complexes (By similarity). In histone-modifying complexes, CECR2 recognizes and binds acylated histones: binds histones that are acetylated and/or butyrylated (PubMed: [26365797](http://www.uniprot.org/citations/26365797), PubMed: [22464331](http://www.uniprot.org/citations/22464331)). May also be involved through its interaction with LRPPRC in the integration of cytoskeletal network with vesicular trafficking, nucleocytoplasmic shuttling, transcription, chromosome remodeling and cytokinesis (PubMed: [11827465](http://www.uniprot.org/citations/11827465)).

### **Cellular Location**

Nucleus.

### **Tissue Location**

Highly expressed in skeletal muscle, thymus, placenta and lung. Expressed at lower level in brain, heart, colon, spleen, kidney

## **CECR2 Antibody (C-Term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **CECR2 Antibody (C-Term) - Images**

## **CECR2 Antibody (C-Term) - Background**

The peptide sequence used (from AAK15343.1) differs by one residue from the RefSeq entry (XP\_931107.2). It is not known whether this difference is due to a sequencing error or polymorphism but the antibody is expected to recognize both sequences.

## **CECR2 Antibody (C-Term) - References**

Analysis of the cat eye syndrome critical region in humans and the region of conserved synteny in mice: a search for candidate genes at or near the human chromosome 22 pericentromere. Footz TK, Brinkman-Mills P, Banting GS, Maier SA, Riazi MA, Bridgland L, Hu S, Birren B, Minoshima S, Shimizu N, Pan H, Nguyen T, Fang F, Fu Y, Ray L, Wu H, Shaull S, Phan S, Yao Z, Chen F, Huan A, Hu P, Wang Q, Loh P, Qi S, Roe BA, McDermid HE. Genome Res. 2001 Jun;11(6):1053-70. PMID: 11381032