


Anti-CoREST antibody [EPR13825] - BSA and Azide free ab250687

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CoREST antibody [EPR13825] - BSA and Azide free
Description	Rabbit monoclonal [EPR13825] to CoREST - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250687 is the carrier-free version of ab183711.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13825
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250687 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

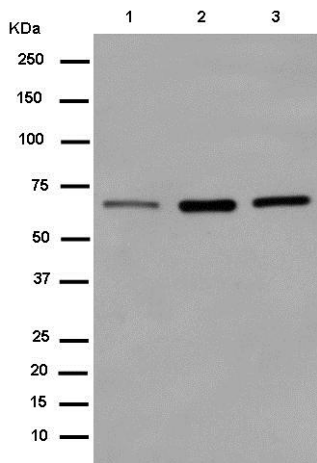
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 66 kDa (predicted molecular weight: 53 kDa).
ICC/IF		Use at an assay dependent concentration.

Target

Function	Essential component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it serves as a molecular beacon for the recruitment of molecular machinery, including MeCP2 and SUV39H1, that imposes silencing across a chromosomal interval. Plays a central role in demethylation of Lys-4 of histone H3 by promoting demethylase activity of KDM1A on core histones and nucleosomal substrates. It also protects KDM1A from the proteasome.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the CoREST family. Contains 1 ELM2 domain. Contains 2 SANT domains.
Domain	The SANT domains may bridge the nucleosomal substrates and the demethylase KDM1A.
Post-translational modifications	Phosphorylated by HSV-1 protein kinases in case of infection.
Cellular localization	Nucleus. Upon infection by HSV-1, it is partially translocated into the cytoplasm in an HSV-1-

dependent manner.

Images



Western blot - Anti-CoREST antibody [EPR13825] - BSA and Azide free (ab250687)

All lanes : Anti-CoREST antibody [EPR13825] ([ab183711](#)) at 1/10000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : MOLT-4 cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

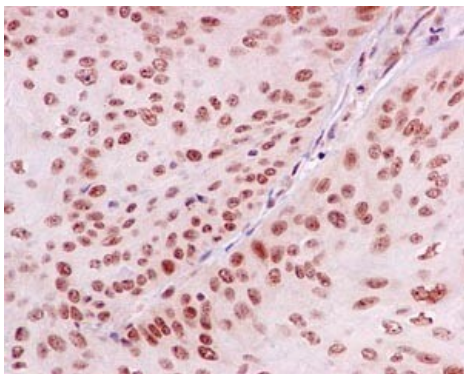
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 53 kDa

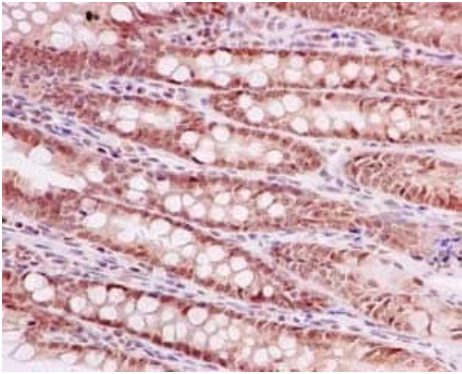
Observed band size: 66 kDa

This data was developed using [ab183711](#), the same antibody clone in a different buffer formulation.



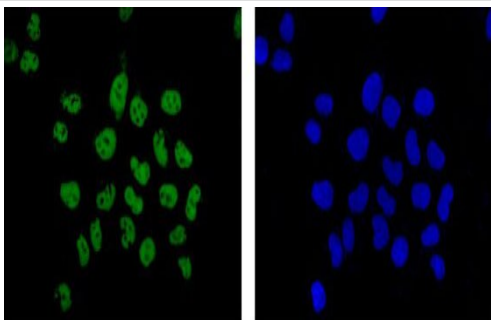
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CoREST antibody [EPR13825] - BSA and Azide free (ab250687)

This data was developed using [ab183711](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling CoREST with [ab183711](#) at 1/50 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CoREST antibody [EPR13825] - BSA and Azide free (ab250687)

This data was developed using [**ab183711**](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Rat colon tissue labeling CoREST with [**ab183711**](#) at 1/50 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-CoREST antibody [EPR13825] - BSA and Azide free (ab250687)

This data was developed using [**ab183711**](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of acetone-fixed HeLa cells labeling CoREST with [**ab183711**](#) at 1/100 dilution, followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody at 1/200 dilution (green). Counter stained with Dapi (blue).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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