

Product datasheet

NCOR2 / SMRT peptide ab4909

Overview

Product name NCOR2 / SMRT peptide

Description

Nature Synthetic

Specifications

Our [Abpromise guarantee](#) covers the use of **ab4909** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking

Form Liquid

Additional notes

This peptide may be used for neutralization and control experiments with the monoclonal antibody that reacts with this product and SMRT, catalog [ab2780](#). Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (~ 70-fold) for competitive inhibition of antibody-protein binding reactions.

Previously labelled as NCOR2.

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

General Info

Function Transcriptional corepressor of NR4A2/NURR1 and acts through histone deacetylases (HDACs) to keep promoters of NR4A2/NURR1 target genes in a repressed deacetylated state (By similarity). Mediates the transcriptional repression activity of some nuclear receptors by promoting chromatin condensation, thus preventing access of the basal transcription. Isoform 1 and isoform 5 have different affinities for different nuclear receptors.

Tissue specificity Ubiquitous. High levels of expression are detected in lung, spleen and brain.

Sequence similarities Belongs to the N-CoR nuclear receptor corepressors family.

Contains 2 SANT domains.

Domain

The N-terminal region contains repression functions that are divided into three independent repression domains (RD1, RD2 and RD3). The C-terminal region contains the nuclear receptor-interacting domains that are divided in two separate interaction domains (ID1 and ID2). The two interaction domains (ID) contain a conserved sequence referred to as the CORNR box. This motif is required and sufficient to permit binding to unligated TR and RARS. Sequences flanking the CORNR box determine nuclear hormone receptor specificity.

Cellular localization

Nucleus.

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