

Product datasheet for **TA392850S**

NCOR2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 505-565 of Human SMRTE.
Specificity:	SMRTE (K535) pAb detects endogenous levels of SMRTE protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 274 kDa
Gene Name:	nuclear receptor corepressor 2
Database Link:	Entrez Gene 9612 Human Q9Y618



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Background:

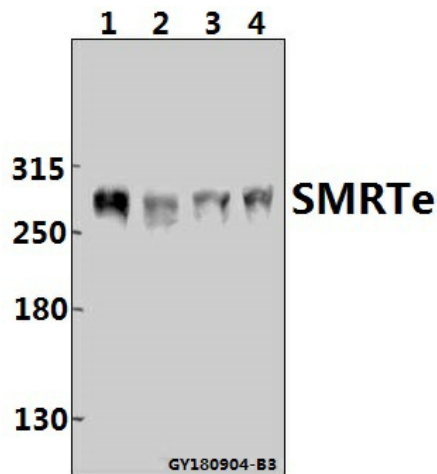
The most well characterized nuclear receptor corepressors are NCoR1 (nuclear receptor corepressor) and its close paralog NCoR2, also known as SMRT (silencing mediator for retinoic acid and thyroid hormone receptors). NCoR1 and SMRT function to transcriptionally silence various unliganded, DNA bound non-steroidal nuclear receptors by serving as a large molecular scaffold that bridges the receptors with multiple chromatin remodeling factors that repress nuclear receptor-mediated gene transcription, in part, through deacetylation of core histones surrounding target promoters. Indeed, the N-terminal portion of NCoR1 and SMRT possess multiple distinct transcriptional repression domains (RDs) responsible for the recruitment of additional components of the corepressor complex such as HDACs, mSin3, GPS2, and TBL1/TBLR1. In between the RDs lies a pair of potent repressor motifs known as SANT motifs (SWI3, ADA2, N-CoR, and TFIIIB), which recruit HDAC3 and histones to the repressor complex in order to enhance HDAC3 activity. The C-terminal portion of NCoR1 and SMRT contain multiple nuclear receptor interaction domains (NDs), each of which contains a conserved CoNR box (or L/I-X-X-I/V-I) motif that allow for binding to various unliganded nuclear hormone receptors such as thyroid hormone (THR) and retinoic acid (RAR) receptors.

Synonyms:

CTG26; CTG repeat protein 26; N-CoR2; NCOR2; Nuclear receptor corepressor 2; Silencing mediator of retinoic acid and thyroid hormone receptor; SMAP270; SMRT; T3 receptor-associated factor; Thyroid-, retinoic-acid-receptor-associated corepressor; TRAC

Note:

For research use only, not for use in diagnostic procedure.

Product images:

Western blot (WB) analysis of SMRTe (K535) antibody at 1:500 dilution Lane1:A549 whole cell lysate(40ug) Lane2:HeLa whole cell lysate(40ug) Lane3:3T3-L1 whole cell lysate(40ug) Lane4:C6 whole cell lysate(40ug)