

Product datasheet

Anti-TR2-11 antibody [449C1a] ab58648

画像数 1

製品の概要

製品名	Anti-TR2-11 antibody [449C1a]
製品の詳細	Mouse monoclonal [449C1a] to TR2-11
由来種	Mouse
アプリケーション	適用あり: WB, Dot blot
種交差性	交差種: Human
免疫原	Recombinant N terminal fragment of Human TR2-11

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	Preservative: 0.05% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Protein G purified
特記事項 (精製)	ab58648 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum and filtered through a 0.22µm membrane.
ポリ/モノ	モノクローナル
クローン名	449C1a
アイソタイプ	IgG2b

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58648** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB		

アプリケーション	Abreviews	特記事項
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Dot blot

追加情報

Dot: Use at an assay dependent dilution.
 WB: Use at an assay dependent dilution. Detects a band of approximately 33 kDa (the immunising fragment) (predicted molecular weight: 53 kDa for full length protein).

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

Orphan nuclear receptor. Binds the IR7 element in the promoter of its own gene in an autoregulatory negative feedback mechanism. Primarily repressor of a broad range of genes. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences. Together with NR2C2, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription. Also activator of OCT4 gene expression. May be involved in stem cell proliferation and differentiation. Mediator of retinoic acid-regulated preadipocyte proliferation.

配列類似性

Belongs to the nuclear hormone receptor family. NR2 subfamily.
 Contains 1 nuclear receptor DNA-binding domain.

翻訳後修飾

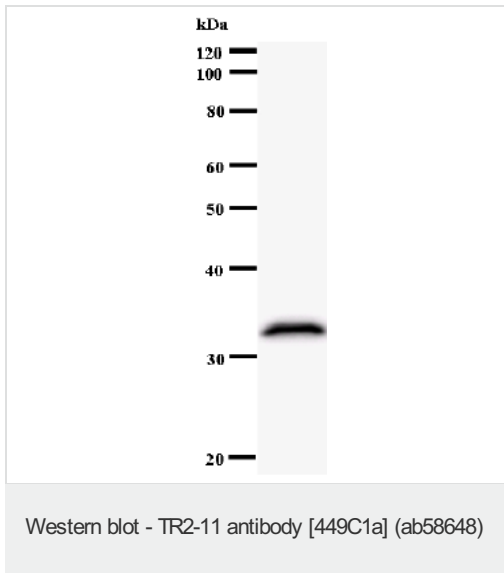
Sumoylation requires both PIAS1 and UBE2I. Sumoylation appears to dissociate NR2C1 from the PML nuclear bodies. Enhances the interaction with NRIP1 but inhibits interaction with KAT2B. In proliferating cells, stimulation by all-trans retinoic acid, activation of MAPK1-mediated phosphorylation and recruitment to PML bodies with subsequent sumoylation, suppresses OCT4 expression.

Phosphorylated on several serine and threonine residues. Phosphorylation on Thr-222, stimulated by all-trans retinoic acid (atRA) mediates PML location and sumoylation in proliferating cells which then modulates its association with effector molecules, KAT2B and NRIP1. Phosphorylation on Ser-581 by PKC is important for protein stability and function as activator of RARB.

細胞内局在

Nucleus. Nucleus > PML body. Recruited by HDAC3, after all-trans retinoic acid stimulated MAPK1-mediated Thr-223 phosphorylation, to PML bodies for subsequent sumoylation.

画像



Anti-TR2-11 antibody [449C1a] (ab58648) +
immunising recombinant fragment

Predicted band size: 53 kDa

Observed band size: 33 kDa

The molecular weight of the band on the western blot does not correspond to the molecular weight of the natural protein because only a fragment of the protein was used.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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