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Datasheet for ABIN1400572

anti-DR1 antibody (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	DR1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DR1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DR1 protein
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	DR1
Alternative Name:	DR1 protein (DR1 Products)
Background:	Synonyms: Dr1 protein; NC2; Negative cofactor 2 beta; Down regulator of transcription 1; Down regulator of transcription 1 TBP binding; Down-regulator of transcription 1; DR 1; Dr1; NC 2; NC2 beta; NC2-beta; NC2B_HUMAN; Negative co factor 2; Negative cofactor 2; Negative cofactor 2-beta; Protein Dr1; TATA binding protein associated phosphoprotein; TATA-binding protein-

Target Details

associated phosphoprotein.

Background: DR1, also known as NC2 (negative cofactor 2 subunit), is a TFIID (TATA box-binding protein)-associated protein. DR1 localizes to the nucleus and contains an N-terminal histone fold motif, a TFIID-binding domain and an alanine and glutamine rich region. Via its histone fold motif, DR1 forms a heterodimer with NC2 (DRAP1) to comprise the conserved eukaryotic complex, NC2 (negative cofactor 2). The NC2 complex can both positively and negatively regulate transcription by RNA Pol II. More specifically, NC2 acts as a repressor of TATA-dependent transcription and acts as an activator for DPE-dependent transcription. NC2 represses RNA Pol II transcription by binding to TFIID and inhibiting association of the transcription factors TFIIA and TFIIB. NC2 activity is regulated by phosphorylation. Both subunits, NC2 and DR1, are phosphorylated in vivo.

Gene ID: 10589

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months